

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100223\  
 Data File : BP017507.D  
 Acq On : 03 Oct 2023 09:16  
 Operator : MA/JU  
 Sample : PB155903BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS903

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/03/2023  
 Supervised By :mohammad ahmed 10/05/2023

Quant Time: Oct 03 09:47:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 03 07:02:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 142614   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.775 | 136  | 600083   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.634 | 164  | 340830   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.422 | 188  | 654017   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 633226   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 691978   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 24171    | 6.962  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.716  | 84   | 381877   | 39.342 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.093  | 99   | 503453   | 42.983 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 293172   | 41.475 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.457  | 132  | 399904   | 43.048 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.663  | 113  | 400662   | 43.999 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 195957   | 45.170 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 220708   | 46.854 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.393 | 165  | 406913   | 45.723 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.945 | 131  | 499165   | 38.720 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.051 | 166  | 1086595  | 44.503 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.328 | 160  | 1251913  | 44.582 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.875 | 143  | 139626   | 32.825 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.633 | 176  | 886700   | 42.184 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 124109   | 33.669 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.522 | 188  | 1271639  | 43.840 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.774 | 212  | 1489206  | 43.489 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 1497119  | 44.936 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 52702    | 14.822 | ng/uL  | 97       |
| 5) Pyridine                   | 3.734  | 79   | 359863   | 35.712 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.093  | 77   | 275640   | 46.114 | ng/u1  | 99       |
| 8) Phenol                     | 7.122  | 94   | 520690   | 44.198 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 405785   | 42.612 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.487  | 128  | 413292   | 43.809 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.387  | 108  | 393503   | 45.141 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 538310m  | 44.696 | ng/u1  |          |
| 16) Acetophenone              | 8.793  | 105  | 635377   | 45.153 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 336827   | 47.963 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.728  | 108  | 422856   | 45.272 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.999  | 117  | 171365   | 43.756 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.187  | 77   | 501376   | 45.547 | ng/u1  | 95       |
| 23) Isophorone                | 9.704  | 82   | 932854   | 47.291 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.893  | 139  | 241276   | 47.268 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.940  | 107  | 418702   | 41.169 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.193 | 93   | 554772   | 43.567 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.422 | 162  | 407151   | 46.401 | ng/u1  | 100      |
| 30) Naphthalene               | 10.828 | 128  | 1331054  | 42.599 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.969 | 127  | 466911   | 37.794 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.051 | 225  | 279680   | 45.799 | ng/u1  | 97       |
| 34) Caprolactam               | 11.804 | 113  | 104105   | 41.062 | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.087 | 107  | 408873   | 46.359 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 908105   | 44.529 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 888248   | 42.608 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.792 | 216  | 516533   | 47.224 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.734 | 237  | 189888   | 30.676 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.057 | 196  | 326761   | 49.250 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.134 | 196  | 338849   | 48.748 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.457 | 154  | 1176963  | 45.515 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.510 | 162  | 931847   | 45.454 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.751 | 65   | 257531   | 51.136 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.098 | 163  | 1138922  | 46.307 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.245 | 165  | 228776   | 53.554 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.363 | 152  | 1484367  | 45.204 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.586 | 138  | 201820   | 43.900 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.698 | 153  | 968210   | 44.646 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.798 | 184  | 51644    | 19.326 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.892 | 109  | 131569   | 39.592 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.039 | 168  | 1311992  | 44.178 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.034 | 165  | 311647   | 49.526 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 266642   | 45.208 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.457 | 149  | 1095028  | 46.054 | ng/ul  | 98       |
| 61) Fluorene                  | 15.692 | 166  | 1070357  | 44.359 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.686 | 204  | 558243   | 45.650 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.769 | 138  | 192900   | 47.014 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.792 | 198  | 138163   | 34.744 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.916 | 169  | 852142   | 47.369 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.592 | 248  | 324485   | 49.386 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.675 | 284  | 372951   | 48.916 | ng/ul  | 99       |
| 70) Atrazine                  | 16.880 | 200  | 269789   | 41.860 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.051 | 266  | 199940   | 42.453 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.469 | 178  | 1542218  | 45.022 | ng/ul  | 99       |
| 74) Anthracene                | 17.557 | 178  | 1557971  | 44.876 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.410 | 216  | 494438   | 49.259 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.928 | 250  | 441019   | 46.511 | ng/uL  | 98       |
| 77) Carbazole                 | 17.851 | 167  | 1359968  | 44.041 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.357 | 149  | 1670161  | 49.186 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.445 | 202  | 1813277  | 45.405 | ng/ul  | 99       |
| 82) Pyrene                    | 19.804 | 202  | 1901638  | 44.793 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.674 | 149  | 736944   | 48.957 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.486 | 252  | 531176   | 38.609 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 1966819  | 46.021 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 1045344  | 48.086 | ng/ul# | 98       |
| 87) Chrysene                  | 21.598 | 228  | 1836355  | 45.657 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.410 | 149  | 1840469  | 48.352 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 1910787  | 46.836 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 1965407  | 47.750 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 1800297  | 46.121 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.892 | 276  | 2150341  | 43.949 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.921 | 278  | 1769995  | 43.433 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.750 | 276  | 1721488  | 43.630 | ng/ul  | 98       |

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

