

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091223\  
 Data File : BP017140.D  
 Acq On : 13 Sep 2023 09:56  
 Operator : MA/JU  
 Sample : PB155418BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS418

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 13 23:25:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP091223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 12 23:27:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 269434   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.775 | 136  | 1158023  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.610 | 164  | 746143   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.386 | 188  | 1703526  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.486 | 240  | 1592766  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.015 | 264  | 1524625  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.311  | 96   | 42210    | 6.583  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 583657   | 31.822 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 783580   | 35.766 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.293  | 67   | 463685   | 33.862 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 605199   | 34.627 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.663  | 113  | 622810   | 34.301 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.151  | 128  | 294693   | 36.342 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 330530   | 38.182 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.393 | 165  | 622592   | 37.188 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.940 | 131  | 769843   | 30.508 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.028 | 166  | 1946505  | 36.659 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 2156015  | 35.785 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.839 | 143  | 374277   | 36.471 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 1649390  | 35.926 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 200  | 369705   | 38.844 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 2719338  | 37.571 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.722 | 212  | 3240320  | 38.791 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.851 | 264  | 2714690  | 37.725 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.352  | 88   | 89887    | 13.038 | ng/uL  | 92       |
| 5) Pyridine                   | 3.769  | 79   | 570298   | 30.019 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.110  | 77   | 388195   | 31.826 | ng/u1  | 97       |
| 8) Phenol                     | 7.134  | 94   | 836273   | 36.192 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.387  | 93   | 636683   | 34.547 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.505  | 128  | 646363   | 36.435 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.393  | 108  | 616200   | 35.772 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 829033m  | 33.193 | ng/u1  |          |
| 16) Acetophenone              | 8.804  | 105  | 1007422  | 35.448 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.781  | 70   | 518055   | 35.473 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.734  | 108  | 684225   | 35.902 | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.016  | 117  | 259576   | 35.578 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.193  | 77   | 767770   | 36.358 | ng/u1  | 100      |
| 23) Isophorone                | 9.710  | 82   | 1438322  | 36.347 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.899  | 139  | 369033   | 38.355 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.940  | 107  | 723014   | 36.873 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.198 | 93   | 885100   | 35.686 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.416 | 162  | 639446   | 37.733 | ng/u1  | 98       |
| 30) Naphthalene               | 10.828 | 128  | 2090609  | 35.676 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.963 | 127  | 690313   | 28.034 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.057 | 225  | 406791   | 35.351 | ng/u1  | 97       |
| 34) Caprolactam               | 11.798 | 113  | 218819m  | 41.077 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.069 | 107  | 709176   | 38.677 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.434 | 142  | 1426324  | 36.072 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.657 | 142  | 1386943  | 34.652 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.787 | 216  | 797706   | 35.895 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.734 | 237  | 458547   | 33.117 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.040 | 196  | 523402   | 37.074 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.110 | 196  | 584004   | 38.910 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 1945611  | 36.364 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.492 | 162  | 1537950  | 36.197 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.728 | 65   | 466812   | 40.561 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.075 | 163  | 2050505  | 38.042 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 416919   | 42.308 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.345 | 152  | 2435079  | 34.986 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.563 | 138  | 434518   | 41.218 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.681 | 153  | 1672511  | 36.313 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.763 | 184  | 251843   | 36.487 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 309649   | 37.700 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.016 | 168  | 2344938  | 36.842 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 622201   | 42.403 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.228 | 232  | 507512   | 38.544 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.434 | 149  | 2056756  | 38.648 | ng/ul  | 99       |
| 61) Fluorene                  | 15.669 | 166  | 1948046  | 37.019 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.657 | 204  | 988538   | 36.949 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.733 | 138  | 449919   | 45.908 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 388553   | 38.040 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.886 | 169  | 1687044  | 38.087 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.563 | 248  | 629327   | 38.756 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 735588   | 38.272 | ng/ul  | 100      |
| 70) Atrazine                  | 16.839 | 200  | 251848   | 15.707 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.010 | 266  | 425469   | 34.062 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.428 | 178  | 3256412  | 38.038 | ng/ul  | 100      |
| 74) Anthracene                | 17.522 | 178  | 3318609  | 38.274 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.398 | 216  | 79458    | 3.374  | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.904 | 250  | 831103   | 38.887 | ng/uL  | 99       |
| 77) Carbazole                 | 17.804 | 167  | 2975655  | 39.084 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 3624255  | 41.774 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.392 | 202  | 3945534  | 40.411 | ng/ul  | 100      |
| 82) Pyrene                    | 19.751 | 202  | 4108296  | 39.823 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.610 | 149  | 1632994  | 44.382 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 1310242  | 40.124 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.468 | 228  | 3944455  | 37.823 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 2302789  | 44.585 | ng/ul  | 99       |
| 87) Chrysene                  | 21.527 | 228  | 3678604  | 37.920 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.310 | 149  | 3814077  | 45.117 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.227 | 252  | 3670588  | 40.844 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.280 | 252  | 3523697  | 39.441 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.904 | 252  | 3094344  | 37.113 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.698 | 276  | 3492766  | 37.831 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.721 | 278  | 2919166  | 37.640 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.533 | 276  | 2717804  | 38.069 | ng/ul  | 99       |

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

