

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082823\  
 Data File : BP016835.D  
 Acq On : 29 Aug 2023 16:46  
 Operator : MA/JU  
 Sample : PB155098BS  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS098

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023  
 Supervised By :mohammad ahmed 08/31/2023

Quant Time: Aug 29 23:14:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP082423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 29 01:12:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.028  | 152  | 449420   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.857 | 136  | 1968970  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.681 | 164  | 1225287  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.451 | 188  | 2571468  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.545 | 240  | 1709649  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.115 | 264  | 1547723  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 70219    | 6.457  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.817  | 84   | 1061839  | 31.954 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.169  | 99   | 1435577  | 35.923 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.363  | 67   | 859588   | 33.749 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.546  | 132  | 1060110  | 35.282 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.734  | 113  | 1110893  | 34.053 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.228  | 128  | 532691   | 35.782 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 595718   | 37.962 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.463 | 165  | 1090533  | 37.277 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.016 | 131  | 1407432  | 31.371 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.092 | 166  | 3106294  | 33.617 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.381 | 160  | 3654244  | 34.983 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 562432   | 29.448 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.675 | 176  | 2703682  | 34.745 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.804 | 200  | 487799   | 31.853 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.551 | 188  | 4030685  | 35.363 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.780 | 212  | 4182531  | 44.544 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.945 | 264  | 2810568  | 36.253 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.417  | 88   | 164666   | 13.905 | ng/uL  | 98       |
| 5) Pyridine                   | 3.834  | 79   | 1071107  | 31.292 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.181  | 77   | 819243   | 37.487 | ng/u1  | 100      |
| 8) Phenol                     | 7.199  | 94   | 1474557  | 35.257 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.458  | 93   | 1153613  | 34.172 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.581  | 128  | 1107057  | 36.046 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.463  | 108  | 1093809  | 34.866 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.557  | 45   | 1593582m | 32.361 | ng/u1  |          |
| 16) Acetophenone              | 8.881  | 105  | 1745489  | 34.506 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.852  | 70   | 929121   | 34.853 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.805  | 108  | 1195061  | 34.982 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.099  | 117  | 436498   | 34.158 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.269  | 77   | 1354217  | 35.457 | ng/u1  | 99       |
| 23) Isophorone                | 9.787  | 82   | 2593441  | 34.962 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.975  | 139  | 646213   | 37.243 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.010 | 107  | 1178235  | 33.785 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.269 | 93   | 1590194  | 34.748 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.493 | 162  | 1088381  | 37.037 | ng/u1  | 100      |
| 30) Naphthalene               | 10.910 | 128  | 3595003  | 35.247 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.040 | 127  | 1375038  | 31.188 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.140 | 225  | 630308   | 34.820 | ng/u1  | 97       |
| 34) Caprolactam               | 11.869 | 113  | 342623m  | 31.615 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.134 | 107  | 1191566  | 36.158 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.510 | 142  | 2451295  | 34.819 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.728 | 142  | 2454714  | 34.576 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.857 | 216  | 1252087  | 35.853 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.810 | 237  | 652664   | 25.413 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.110 | 196  | 868309   | 37.233 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.181 | 196  | 937499   | 37.150 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.516 | 154  | 3267335  | 35.865 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.563 | 162  | 2581647  | 35.898 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.798 | 65   | 794514   | 36.428 | ng/ul | 95       |
| 47) Dimethylphthalate         | 14.140 | 163  | 3256540  | 34.799 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.287 | 165  | 686575   | 37.441 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.410 | 152  | 4007215  | 33.516 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.622 | 138  | 677713   | 35.492 | ng/ul | 97       |
| 52) Acenaphthene              | 14.745 | 153  | 2763773  | 34.941 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.822 | 184  | 319606   | 23.986 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.910 | 109  | 436240   | 30.244 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.081 | 168  | 3827357  | 35.265 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.069 | 165  | 968958   | 35.900 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.298 | 232  | 765489   | 35.631 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.498 | 149  | 3265054  | 34.344 | ng/ul | 99       |
| 61) Fluorene                  | 15.734 | 166  | 3176058  | 34.987 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.722 | 204  | 1562979  | 35.068 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.792 | 138  | 642083   | 35.339 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.822 | 198  | 508496   | 30.799 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.945 | 169  | 2656067  | 37.345 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.628 | 248  | 918897   | 37.272 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.710 | 284  | 994911   | 36.042 | ng/ul | 99       |
| 70) Atrazine                  | 16.904 | 200  | 831763   | 31.020 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.075 | 266  | 591292   | 28.856 | ng/ul | 99       |
| 72) Phenanthrene              | 17.492 | 178  | 4878511  | 36.037 | ng/ul | 99       |
| 74) Anthracene                | 17.586 | 178  | 4865000  | 35.541 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.469 | 216  | 1234452  | 35.852 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.975 | 250  | 1176965  | 38.250 | ng/ul | 99       |
| 77) Carbazole                 | 17.869 | 167  | 4344086  | 35.237 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.375 | 149  | 5587846  | 36.331 | ng/ul | 100      |
| 80) Fluoranthene              | 19.451 | 202  | 5279874  | 46.810 | ng/ul | 99       |
| 82) Pyrene                    | 19.816 | 202  | 5292810  | 45.427 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.669 | 149  | 2262566  | 45.028 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.469 | 252  | 1334024  | 36.506 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.527 | 228  | 4299502  | 36.510 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 3216407  | 43.838 | ng/ul | 99       |
| 87) Chrysene                  | 21.586 | 228  | 3949297  | 36.919 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 4724543  | 40.535 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 3648268  | 36.914 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.368 | 252  | 3577160  | 36.597 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.998 | 252  | 3149051  | 35.225 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.845 | 276  | 3971201  | 43.472 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.874 | 278  | 3281294  | 43.247 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.704 | 276  | 3214231  | 46.410 | ng/ul | 99       |

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

