

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112922\  
 Data File : BP012851.D  
 Acq On : 29 Nov 2022 14:38  
 Operator : CG/JU  
 Sample : PB149236BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS236

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/30/2022  
 Supervised By :mohammad ahmed 11/30/2022

Quant Time: Nov 29 21:58:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Nov 27 22:55:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.010  | 152  | 476732   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.828 | 136  | 2203703  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.651 | 164  | 1499878  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.404 | 188  | 3295505  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.492 | 240  | 3370185  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.998 | 264  | 3117816  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.393  | 96   | 66001    | 5.933  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.816  | 84   | 920861   | 27.659 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.163  | 99   | 1366866  | 34.892 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.334  | 67   | 812778   | 33.671 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.540  | 132  | 1034967  | 34.672 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.716  | 113  | 1100503  | 34.867 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.181  | 128  | 500735   | 37.125 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.904  | 143  | 552245   | 38.560 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.439 | 165  | 1141642  | 34.164 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.963 | 131  | 733346   | 16.026 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.057 | 166  | 3447056  | 33.389 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.345 | 160  | 4011410  | 33.301 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.833 | 143  | 680903   | 36.993 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.639 | 176  | 3081565  | 34.083 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 200  | 588235   | 37.346 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.504 | 188  | 4917552  | 33.899 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.727 | 212  | 5851057  | 29.879 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.839 | 264  | 5281711  | 34.488 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.428  | 88   | 137630   | 11.519 | ng/uL  | 98       |
| 5) Pyridine                   | 3.840  | 79   | 995834   | 30.569 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.146  | 77   | 620847m  | 32.459 | ng/u1  |          |
| 8) Phenol                     | 7.187  | 94   | 1421870  | 34.615 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.428  | 93   | 1103863  | 32.798 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.575  | 128  | 1098267  | 33.824 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.451  | 108  | 1080205  | 33.836 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.545  | 45   | 1562688  | 32.190 | ng/u1  | 98       |
| 16) Acetophenone              | 8.840  | 105  | 1727505  | 34.532 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.828  | 70   | 852576   | 34.596 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.781  | 108  | 1208601  | 34.374 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.104  | 117  | 404325   | 32.471 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.222  | 77   | 1251309  | 35.373 | ng/u1  | 99       |
| 23) Isophorone                | 9.751  | 82   | 2467957  | 31.646 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.939  | 139  | 637152   | 37.064 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.992  | 107  | 1261021  | 33.011 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.234 | 93   | 1534075  | 32.085 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.469 | 162  | 1153916  | 33.334 | ng/u1  | 99       |
| 30) Naphthalene               | 10.881 | 128  | 3709150  | 32.143 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.986 | 127  | 1136160  | 24.176 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.163 | 225  | 709760   | 30.782 | ng/u1  | 100      |
| 34) Caprolactam               | 11.763 | 113  | 373636m  | 35.149 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.098 | 107  | 1232295  | 35.154 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.481 | 142  | 2600476  | 32.726 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.698 | 142  | 2606898  | 32.734 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.845 | 216  | 1475313  | 30.846 | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.828 | 237  | 667547   | 28.966 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.080 | 196  | 953387   | 31.858 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.151 | 196  | 1055760  | 32.817 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.486 | 154  | 3466671  | 31.728 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.528 | 162  | 2779616  | 31.800 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.728 | 65   | 740211   | 43.282 | ng/u1 | 95       |
| 47) Dimethylphthalate         | 14.104 | 163  | 3567983  | 32.970 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 681898   | 40.263 | ng/u1 | 99       |
| 50) Acenaphthylene            | 14.375 | 152  | 4318843  | 32.789 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.551 | 138  | 690237   | 35.190 | ng/u1 | 97       |
| 52) Acenaphthene              | 14.716 | 153  | 3012245  | 32.483 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.751 | 184  | 393940   | 36.198 | ng/u1 | 98       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 482921   | 36.113 | ng/u1 | 96       |
| 56) Dibenzofuran              | 15.045 | 168  | 4216697  | 32.989 | ng/u1 | 100      |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 1025428  | 41.029 | ng/u1 | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.269 | 232  | 917297   | 33.081 | ng/u1 | 98       |
| 59) Diethylphthalate          | 15.469 | 149  | 3471353  | 33.138 | ng/u1 | 99       |
| 61) Fluorene                  | 15.698 | 166  | 3455004  | 33.706 | ng/u1 | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.692 | 204  | 1760279  | 33.098 | ng/u1 | 98       |
| 63) 4-Nitroaniline            | 15.716 | 138  | 739734   | 44.249 | ng/u1 | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.769 | 198  | 622046   | 36.792 | ng/u1 | 96       |
| 67) N-Nitrosodiphenylamine    | 15.904 | 169  | 3004521  | 32.079 | ng/u1 | 100      |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 1062331  | 32.753 | ng/u1 | 98       |
| 69) Hexachlorobenzene         | 16.704 | 284  | 1327076  | 32.101 | ng/u1 | 97       |
| 70) Atrazine                  | 16.857 | 200  | 392132   | 12.203 | ng/u1 | 98       |
| 71) Pentachlorophenol         | 17.045 | 266  | 773218   | 30.457 | ng/u1 | 99       |
| 72) Phenanthrene              | 17.445 | 178  | 5800371  | 33.024 | ng/u1 | 100      |
| 74) Anthracene                | 17.539 | 178  | 5786303  | 33.300 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.451 | 216  | 1478661  | 29.023 | ng/u1 | 99       |
| 76) Pentachlorobenzene        | 14.969 | 250  | 1458137  | 27.532 | ng/u1 | 99       |
| 77) Carbazole                 | 17.804 | 167  | 5288651  | 35.978 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.351 | 149  | 5875613  | 33.765 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.404 | 202  | 6953647  | 28.548 | ng/u1 | 99       |
| 82) Pyrene                    | 19.757 | 202  | 7211563  | 28.626 | ng/u1 | 100      |
| 83) Butylbenzylphthalate      | 20.621 | 149  | 2468294  | 41.869 | ng/u1 | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.398 | 252  | 1825877  | 29.502 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.474 | 228  | 7164224  | 30.735 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.386 | 149  | 3538041  | 39.243 | ng/u1 | 100      |
| 87) Chrysene                  | 21.527 | 228  | 6697542  | 29.717 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.351 | 149  | 5885432  | 33.056 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.227 | 252  | 7022073  | 30.415 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.280 | 252  | 6751616  | 29.296 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.892 | 252  | 5962246  | 31.405 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.639 | 276  | 6455186  | 35.242 | ng/u1 | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.650 | 278  | 5706583  | 34.335 | ng/u1 | 99       |
| 96) Benzo(g,h,i)perylene      | 27.444 | 276  | 5386263  | 34.188 | ng/u1 | 99       |

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

