

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050823\  
 Data File : BP015006.D  
 Acq On : 08 May 2023 22:56  
 Operator : CG/JU  
 Sample : 02609-15MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JREJ4MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/09/2023  
 Supervised By : Jagrut Upadhyay 05/09/2023

Quant Time: May 08 23:59:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 05 12:12:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.163  | 152  | 362738   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.998 | 136  | 1380879  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.810 | 164  | 861301   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.563 | 188  | 1890970  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.645 | 240  | 1547039  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.245 | 264  | 1441162  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.458  | 96   | 33502    | 3.434  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.899  | 84   | 181336   | 6.800  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.305  | 99   | 213762   | 6.797  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.475  | 67   | 556696   | 28.639 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.687  | 132  | 569022   | 24.607 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.875  | 113  | 400224   | 16.514 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.340  | 128  | 380416   | 38.735 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.069 | 143  | 411787   | 40.833 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.610 | 165  | 674561   | 34.067 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.128 | 131  | 328995   | 11.487 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.210 | 166  | 2076228  | 34.060 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.504 | 160  | 2281467  | 31.207 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.992 | 143  | 88678    | 8.362  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.798 | 176  | 1720397  | 32.804 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.922 | 200  | 347059   | 32.603 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.663 | 188  | 2708128  | 31.874 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.880 | 212  | 3086968  | 29.586 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.074 | 264  | 2472862  | 35.216 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.493  | 88   | 42511    | 4.022  | ng/uL  | 96       |
| 5) Pyridine                   | 3.916  | 79   | 313803   | 11.304 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.287  | 77   | 557418m  | 64.828 | ng/u1  |          |
| 8) Phenol                     | 7.334  | 94   | 245952   | 7.449  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.575  | 93   | 803563   | 29.281 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.716  | 128  | 612807   | 24.463 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.604  | 108  | 483815   | 19.652 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.699  | 45   | 993857   | 28.551 | ng/u1  | 100      |
| 16) Acetophenone              | 8.999  | 105  | 1251438  | 31.581 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.981  | 70   | 637773   | 31.580 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.940  | 108  | 467311   | 17.170 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.257  | 117  | 244399   | 22.487 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.381  | 77   | 938205   | 36.358 | ng/u1  | 97       |
| 23) Isophorone                | 9.916  | 82   | 1904961  | 37.353 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.098 | 139  | 451019   | 38.887 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.151 | 107  | 719770   | 28.596 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.393 | 93   | 1158166  | 35.523 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.640 | 162  | 695667   | 33.966 | ng/u1  | 99       |
| 30) Naphthalene               | 11.046 | 128  | 2003731  | 26.398 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.157 | 127  | 712679   | 23.845 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.328 | 225  | 329304   | 24.918 | ng/u1  | 99       |
| 34) Caprolactam               | 11.945 | 113  | 41076    | 6.510  | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 12.263 | 107  | 652667   | 30.998 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.645 | 142  | 1422825  | 30.312 | ng/u1  | 99       |

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| 37) 1-Methylnaphthalene       | 12.863 | 142  | 1471005  | 30.402 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.010 | 216  | 770922   | 28.695 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.987 | 237  | 357950   | 19.759 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.245 | 196  | 560403   | 33.852 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.316 | 196  | 619650   | 34.729 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.639 | 154  | 2009836  | 29.187 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.687 | 162  | 1568151  | 29.235 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.887 | 65   | 497874   | 39.860 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.257 | 163  | 2121464  | 33.098 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.381 | 165  | 467962   | 41.315 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.534 | 152  | 2498760  | 30.148 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.710 | 138  | 449920   | 43.901 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.869 | 153  | 1720477  | 29.996 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.916 | 184  | 175369   | 25.439 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 15.010 | 109  | 69204    | 8.573  | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.204 | 168  | 2441102  | 31.542 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.169 | 165  | 667907   | 42.100 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.428 | 232  | 529833   | 36.488 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.616 | 149  | 2169377  | 35.819 | ng/ul  | 98       |
| 61) Fluorene                  | 15.857 | 166  | 1904894  | 31.202 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.845 | 204  | 955124   | 31.970 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.875 | 138  | 451084   | 52.733 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.933 | 198  | 358144   | 31.719 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 16.057 | 169  | 1466677  | 25.555 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.739 | 248  | 652105   | 33.150 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.863 | 284  | 759461   | 32.776 | ng/ul  | 96       |
| 70) Atrazine                  | 17.010 | 200  | 553320   | 28.650 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.210 | 266  | 439899   | 32.522 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.610 | 178  | 3271940  | 31.320 | ng/ul  | 99       |
| 74) Anthracene                | 17.698 | 178  | 3249850  | 31.246 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.610 | 216  | 810186   | 25.882 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.128 | 250  | 827418   | 27.784 | ng/ul  | 99       |
| 77) Carbazole                 | 17.963 | 167  | 3047337  | 34.835 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.492 | 149  | 3862802  | 39.488 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.557 | 202  | 3851824  | 30.085 | ng/ul  | 98       |
| 82) Pyrene                    | 19.910 | 202  | 3838069  | 28.294 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.763 | 149  | 1793568  | 44.040 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 563391   | 21.637 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.627 | 228  | 3616667  | 35.025 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.527 | 149  | 2675075  | 52.203 | ng/ul# | 99       |
| 87) Chrysene                  | 21.686 | 228  | 3417139  | 32.866 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.515 | 149  | 4920516  | 58.475 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.445 | 252  | 3346725  | 35.932 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.498 | 252  | 3273286  | 34.531 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.133 | 252  | 2787065  | 34.120 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.009 | 276  | 3422336  | 34.348 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.027 | 278  | 2812567  | 34.440 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 27.856 | 276  | 2811596  | 33.155 | ng/ul  | 99       |

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

