

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042523\  
 Data File : BM039645.D  
 Acq On : 25 Apr 2023 17:53  
 Operator : CG/JU  
 Sample : PB152369BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS369

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023  
 Supervised By : Jagrut Upadhyay 04/26/2023

Quant Time: Apr 25 23:26:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 25 22:38:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.807  | 152  | 217198   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.613 | 136  | 1000364  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.466 | 164  | 614822   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.218 | 188  | 1282255  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.418 | 240  | 1142959  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.777 | 264  | 1058832  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.202  | 96   | 31331    | 5.537  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.625  | 84   | 418549   | 26.325 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.990  | 99   | 630451   | 31.714 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.143  | 67   | 427591   | 32.543 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.343  | 132  | 488294   | 31.313 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.537  | 113  | 498414   | 31.125 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.984  | 128  | 240371   | 29.867 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.701  | 143  | 274879   | 30.416 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.248 | 165  | 483385   | 31.086 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.766 | 131  | 537972   | 23.164 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.883 | 166  | 1474130  | 29.730 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.160 | 160  | 1718149  | 30.844 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.707 | 143  | 202255   | 26.952 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.460 | 176  | 1236350  | 30.434 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.601 | 200  | 252771   | 29.665 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.318 | 188  | 1919172  | 31.122 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.618 | 212  | 2225731  | 29.306 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.624 | 264  | 1840337  | 32.193 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.237  | 88   | 69539    | 11.230 | ng/uL  | 92       |
| 5) Pyridine                   | 3.649  | 79   | 491019   | 29.289 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.954  | 77   | 311905   | 36.725 | ng/u1  | 96       |
| 8) Phenol                     | 7.019  | 94   | 685128   | 33.102 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.237  | 93   | 549827   | 31.862 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.372  | 128  | 507736   | 32.358 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.266  | 108  | 511575   | 31.822 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.343  | 45   | 820625   | 34.238 | ng/u1  | 97       |
| 16) Acetophenone              | 8.642  | 105  | 852671   | 32.418 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.625  | 70   | 475978   | 32.696 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.601  | 108  | 560039   | 32.267 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.878  | 117  | 219089   | 30.742 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.025  | 77   | 660213   | 33.224 | ng/u1  | 94       |
| 23) Isophorone                | 9.548  | 82   | 1322250  | 31.204 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.737  | 139  | 284574   | 30.180 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.801  | 107  | 596577   | 30.960 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.037 | 93   | 781944   | 31.381 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.272 | 162  | 488937   | 31.920 | ng/u1  | 99       |
| 30) Naphthalene               | 10.666 | 128  | 1721668  | 31.106 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.789 | 127  | 552989   | 24.165 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.942 | 225  | 303331   | 30.053 | ng/u1  | 99       |
| 34) Caprolactam               | 11.583 | 113  | 172507m  | 30.242 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.931 | 107  | 564898   | 31.586 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.283 | 142  | 1120729  | 30.205 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.501 | 142  | 1158376  | 31.066 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.654 | 216  | 575609   | 31.190 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.619 | 237  | 225858   | 20.541 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.901 | 196  | 383319   | 31.091 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.983 | 196  | 403383   | 31.480 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.301 | 154  | 1489219  | 31.342 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.342 | 162  | 1172346  | 31.453 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.560 | 65   | 384181   | 35.718 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.930 | 163  | 1507116  | 30.699 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.060 | 165  | 307834   | 31.004 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.189 | 152  | 1899656  | 31.881 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.395 | 138  | 279939   | 30.080 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.530 | 153  | 1297599  | 31.630 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.613 | 184  | 132396   | 25.050 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.724 | 109  | 166263   | 29.169 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.866 | 168  | 1783050  | 31.976 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.854 | 165  | 448841   | 32.534 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.101 | 232  | 355648   | 31.008 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.295 | 149  | 1568762  | 30.826 | ng/ul  | 100      |
| 61) Fluorene                  | 15.519 | 166  | 1491422  | 32.333 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.513 | 204  | 724313   | 31.681 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.560 | 138  | 262556m  | 36.790 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.618 | 198  | 249959   | 30.512 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 15.730 | 169  | 1215919  | 31.828 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.407 | 248  | 425767   | 30.743 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.518 | 284  | 496057   | 31.179 | ng/ul  | 95       |
| 70) Atrazine                  | 16.689 | 200  | 311574   | 21.979 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.877 | 266  | 264963   | 28.488 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.265 | 178  | 2292560  | 32.205 | ng/ul  | 99       |
| 74) Anthracene                | 17.354 | 178  | 2303111  | 32.250 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.260 | 216  | 585104   | 30.639 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.783 | 250  | 590087   | 31.393 | ng/ul  | 99       |
| 77) Carbazole                 | 17.636 | 167  | 2028055  | 31.958 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.189 | 149  | 2729730  | 30.412 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.283 | 202  | 2658362  | 29.862 | ng/ul  | 100      |
| 82) Pyrene                    | 19.648 | 202  | 2775423  | 30.116 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.548 | 149  | 1229701  | 28.269 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.342 | 252  | 764974   | 30.182 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.400 | 228  | 2579520  | 31.203 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.324 | 149  | 1793035  | 27.717 | ng/ul  | 100      |
| 87) Chrysene                  | 21.453 | 228  | 2447887  | 31.043 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.236 | 149  | 2955571  | 27.782 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.059 | 252  | 2343652  | 31.458 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.106 | 252  | 2381630  | 32.551 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.677 | 252  | 2018446  | 32.142 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.230 | 276  | 2269995  | 32.863 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.235 | 278  | 1913610  | 33.413 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.977 | 276  | 1736271  | 31.554 | ng/ul  | 100      |

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

