

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041724\  
 Data File : BM045349.D  
 Acq On : 18 Apr 2024 11:15  
 Operator : MA/JU  
 Sample : PB160236BS  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS236

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/19/2024  
 Supervised By :mohammad ahmed 04/25/2024

Quant Time: Apr 18 12:40:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 17 12:42:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.569  | 152  | 41464    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.339 | 136  | 167961   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.221 | 164  | 100341   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.980 | 188  | 203864   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.197 | 240  | 207904   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.397 | 264  | 275701   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 7948     | 7.158  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.563  | 84   | 80349    | 26.610 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.751  | 99   | 102157   | 29.062 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.928  | 67   | 61949    | 29.580 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.104  | 132  | 83927    | 30.476 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.281  | 113  | 80632    | 29.305 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.728  | 128  | 41063    | 31.828 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.439  | 143  | 44483    | 32.666 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.969  | 165  | 77886    | 31.195 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.498 | 131  | 106442   | 26.778 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.651 | 166  | 220789   | 31.602 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.910 | 160  | 260217   | 31.528 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.457 | 143  | 38455    | 26.374 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.221 | 176  | 186407   | 29.928 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.368 | 200  | 33205    | 27.470 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.080 | 188  | 276580   | 30.159 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.392 | 212  | 330753   | 32.309 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.256 | 264  | 434341   | 32.294 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.204  | 88   | 11002    | 9.487  | ng/uL# | 89       |
| 5) Pyridine                   | 3.581  | 79   | 81255    | 25.396 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.739  | 77   | 60893    | 37.369 | ng/u1  | 96       |
| 8) Phenol                     | 6.781  | 94   | 102611   | 28.189 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.022  | 93   | 78116    | 27.497 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.134  | 128  | 85457    | 29.573 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.016  | 108  | 73156    | 27.228 | ng/u1  | 92       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.092  | 45   | 92291    | 27.238 | ng/u1  | 96       |
| 16) Acetophenone              | 8.398  | 105  | 124796   | 27.898 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 61966    | 29.339 | ng/u1# | 93       |
| 18) 4-Methylphenol            | 8.345  | 108  | 82368    | 28.442 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.616  | 117  | 40138    | 31.581 | ng/u1  | 93       |
| 22) Nitrobenzene              | 8.775  | 77   | 99521    | 31.441 | ng/u1  | 96       |
| 23) Isophorone                | 9.292  | 82   | 173096   | 29.764 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.475  | 139  | 47102    | 31.164 | ng/u1# | 87       |
| 26) 2,4-Dimethylphenol        | 9.533  | 107  | 69135    | 23.726 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.780  | 93   | 102457   | 29.718 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 9.998  | 162  | 79516    | 31.523 | ng/u1  | 97       |
| 30) Naphthalene               | 10.386 | 128  | 252695   | 28.420 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.522 | 127  | 97249    | 25.143 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.651 | 225  | 45356    | 28.919 | ng/u1  | 98       |
| 34) Caprolactam               | 11.327 | 113  | 23921m   | 28.089 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.651 | 107  | 76814    | 30.633 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.010 | 142  | 167948   | 28.929 | ng/u1  | 97       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.233 | 142  | 172877   | 29.427 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.380 | 216  | 84638    | 30.843 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.345 | 237  | 39143    | 23.563 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.639 | 196  | 57547    | 32.148 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.716 | 196  | 62262    | 31.567 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.045 | 154  | 219376   | 30.961 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.086 | 162  | 173719   | 30.177 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.316 | 65   | 53606    | 33.735 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.698 | 163  | 215090   | 29.455 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.827 | 165  | 43756    | 30.571 | ng/ul# | 84       |
| 50) Acenaphthylene            | 13.939 | 152  | 277923   | 28.831 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.163 | 138  | 44383    | 28.428 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.286 | 153  | 188071   | 29.238 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.380 | 184  | 22519    | 26.463 | ng/ul# | 82       |
| 55) 4-Nitrophenol             | 14.474 | 109  | 35716    | 27.853 | ng/ul# | 82       |
| 56) Dibenzofuran              | 14.627 | 168  | 254639   | 28.929 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.621 | 165  | 62400    | 29.125 | ng/ul# | 80       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.857 | 232  | 50409    | 29.862 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.074 | 149  | 221339   | 29.710 | ng/ul  | 98       |
| 61) Fluorene                  | 15.280 | 166  | 208764   | 28.140 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.280 | 204  | 94226    | 27.098 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.339 | 138  | 44599    | 31.420 | ng/ul# | 85       |
| 66) 4,6-Dinitro-2-methylph... | 15.386 | 198  | 35753    | 27.619 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.504 | 169  | 172958   | 31.450 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.180 | 248  | 59817    | 30.127 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.274 | 284  | 75966    | 29.413 | ng/ul  | 95       |
| 70) Atrazine                  | 16.474 | 200  | 58595    | 28.965 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.633 | 266  | 45378    | 28.924 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.027 | 178  | 321672   | 29.321 | ng/ul  | 98       |
| 74) Anthracene                | 17.115 | 178  | 318245   | 28.358 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.998 | 216  | 81737    | 31.811 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.533 | 250  | 82930    | 30.334 | ng/ul  | 98       |
| 77) Carbazole                 | 17.404 | 167  | 310033   | 28.651 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 17.968 | 149  | 382745   | 31.364 | ng/ul# | 98       |
| 80) Fluoranthene              | 19.056 | 202  | 381373   | 31.585 | ng/ul  | 99       |
| 82) Pyrene                    | 19.421 | 202  | 407062   | 31.241 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.345 | 149  | 187064   | 34.267 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.127 | 252  | 138747   | 30.014 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.180 | 228  | 419464   | 29.735 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.127 | 149  | 281197   | 32.953 | ng/ul  | 96       |
| 87) Chrysene                  | 21.233 | 228  | 395407   | 30.068 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.003 | 149  | 501429   | 28.907 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.738 | 252  | 492132   | 30.626 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.786 | 252  | 466316   | 28.832 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.297 | 252  | 421330   | 26.941 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.591 | 276  | 667304   | 32.940 | ng/ul  | 100      |
| 95) Dibenzo(a,h)anthracene    | 25.603 | 278  | 545578   | 32.212 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.256 | 276  | 523119   | 32.733 | ng/ul  | 99       |

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

