

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041724\  
 Data File : BM045343.D  
 Acq On : 18 Apr 2024 07:37  
 Operator : MA/JU  
 Sample : PB160307BS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

## Instrument :

BNA\_M

ClientSampleId :

SLCS307

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/19/2024

Supervised By :mohammad ahmed 04/25/2024

Quant Time: Apr 18 08:09:26 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  | 41552    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.339 | 136  | 162977   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.221 | 164  | 97405    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.986 | 188  | 190239   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.198 | 240  | 185565   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.391 | 264  | 245884   | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 8226     | 7.393  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.569  | 84   | 89099    | 29.445 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.757  | 99   | 106519   | 30.239 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.928  | 67   | 68054    | 32.427 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.104  | 132  | 95512    | 34.609 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.281  | 113  | 84971    | 30.817 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.734  | 128  | 44013    | 35.158 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.439  | 143  | 47460    | 35.918 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.969  | 165  | 84745    | 34.981 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.498 | 131  | 107983   | 27.996 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.651 | 166  | 236064   | 34.807 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.910 | 160  | 278372   | 34.744 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.457 | 143  | 40612    | 28.693 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.227 | 176  | 197718   | 32.700 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.368 | 200  | 35551    | 31.518 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.080 | 188  | 303243   | 35.434 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.392 | 212  | 342584   | 37.493 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.256 | 264  | 431355   | 35.961 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              | Qvalue |      |          |        |        |          |
| 2) 1,4-Dioxane                | 3.205  | 88   | 12266    | 10.555 | ng/uL# | 87       |
| 5) Pyridine                   | 3.587  | 79   | 93129    | 29.046 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.740  | 77   | 62586    | 38.327 | ng/u1  | 96       |
| 8) Phenol                     | 6.781  | 94   | 110815   | 30.379 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.022  | 93   | 88935    | 31.239 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.140  | 128  | 94410    | 32.602 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.016  | 108  | 79348    | 29.470 | ng/u1  | 92       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.092  | 45   | 105767   | 31.149 | ng/u1  | 98       |
| 16) Acetophenone              | 8.398  | 105  | 134358   | 29.972 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 66538    | 31.437 | ng/u1# | 90       |
| 18) 4-Methylphenol            | 8.345  | 108  | 89270    | 30.760 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.616  | 117  | 44226    | 34.723 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.775  | 77   | 108585   | 35.354 | ng/u1  | 95       |
| 23) Isophorone                | 9.292  | 82   | 184911   | 32.768 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.469  | 139  | 51806    | 35.324 | ng/u1# | 85       |
| 26) 2,4-Dimethylphenol        | 9.534  | 107  | 90123    | 31.874 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.781  | 93   | 111797   | 33.418 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 9.998  | 162  | 83298    | 34.032 | ng/u1  | 95       |
| 30) Naphthalene               | 10.386 | 128  | 284414   | 32.966 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.522 | 127  | 98960    | 26.367 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.651 | 225  | 50562    | 33.224 | ng/u1  | 89       |
| 34) Caprolactam               | 11.328 | 113  | 24176m   | 29.257 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.651 | 107  | 82976    | 34.103 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.010 | 142  | 186019   | 33.022 | ng/u1  | 98       |

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Quant Time: Apr 18 08:09:26 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

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.233 | 142  | 188304   | 33.033 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.386 | 216  | 91346    | 34.291 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.345 | 237  | 50873    | 31.548 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.639 | 196  | 62492    | 35.962 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 12.716 | 196  | 66667    | 34.819 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.045 | 154  | 240460   | 34.960 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.086 | 162  | 189710   | 33.949 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.316 | 65   | 56165    | 36.410 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.698 | 163  | 237080   | 33.444 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 13.827 | 165  | 47423    | 34.131 | ng/ul# | 77       |
| 50) Acenaphthylene            | 13.939 | 152  | 304872   | 32.580 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.163 | 138  | 44489    | 29.355 | ng/ul  | 89       |
| 52) Acenaphthene              | 14.286 | 153  | 203229   | 32.547 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.380 | 184  | 22626    | 27.390 | ng/ul  | 84       |
| 55) 4-Nitrophenol             | 14.474 | 109  | 39569    | 31.787 | ng/ul  | 84       |
| 56) Dibenzofuran              | 14.627 | 168  | 273304   | 31.986 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.621 | 165  | 65752    | 31.615 | ng/ul# | 77       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.857 | 232  | 55341    | 33.772 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.074 | 149  | 245254   | 33.913 | ng/ul  | 97       |
| 61) Fluorene                  | 15.280 | 166  | 224931   | 31.233 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.280 | 204  | 99818    | 29.571 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.339 | 138  | 46660m   | 33.863 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.386 | 198  | 38581    | 31.939 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.504 | 169  | 187176   | 36.473 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.180 | 248  | 65761    | 35.493 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.274 | 284  | 81230    | 33.703 | ng/ul  | 92       |
| 70) Atrazine                  | 16.474 | 200  | 65801    | 34.857 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.633 | 266  | 48256    | 32.961 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.027 | 178  | 345808   | 33.779 | ng/ul  | 99       |
| 74) Anthracene                | 17.115 | 178  | 351360   | 33.552 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.998 | 216  | 91015    | 37.959 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.539 | 250  | 91004    | 35.672 | ng/uL  | 99       |
| 77) Carbazole                 | 17.404 | 167  | 333751   | 33.052 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 17.968 | 149  | 426089   | 37.417 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.056 | 202  | 400335   | 37.147 | ng/ul  | 99       |
| 82) Pyrene                    | 19.421 | 202  | 436286   | 37.515 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.345 | 149  | 201765   | 41.409 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.127 | 252  | 138652   | 33.604 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.180 | 228  | 431812   | 34.295 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.127 | 149  | 296102   | 38.877 | ng/ul  | 97       |
| 87) Chrysene                  | 21.233 | 228  | 411686   | 35.074 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.003 | 149  | 537342   | 34.733 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.739 | 252  | 500180   | 34.902 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.786 | 252  | 471676   | 32.700 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.297 | 252  | 428013   | 30.687 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.591 | 276  | 665716   | 36.847 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.603 | 278  | 543255   | 35.965 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.256 | 276  | 534541   | 37.504 | ng/ul  | 98       |

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

