

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
 Data File : BM045308.D  
 Acq On : 17 Apr 2024 08:15  
 Operator : MA/JU  
 Sample : PB160241BS  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS241

Quant Time: Apr 17 08:46:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 15 22:24:11 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/17/2024  
 Supervised By :mohammad ahmed 04/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 56913    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.345 | 136  | 231920   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.227 | 164  | 139507   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.986 | 188  | 267972   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.197 | 240  | 258566   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.397 | 264  | 337482   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 8689     | 5.701  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.569  | 84   | 91575    | 22.095 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.757  | 99   | 116705   | 24.188 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 77414    | 26.931 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.110  | 132  | 101428   | 26.833 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.286  | 113  | 94480    | 25.017 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.733  | 128  | 48969    | 27.488 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.445  | 143  | 51642    | 27.465 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 9.975  | 165  | 95627    | 27.739 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.504 | 131  | 127669   | 23.260 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.657 | 166  | 281394   | 28.969 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.915 | 160  | 311886   | 27.179 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.462 | 143  | 46221    | 22.800 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.227 | 176  | 230069   | 26.568 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.374 | 200  | 40670    | 25.597 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.086 | 188  | 350482   | 29.074 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.392 | 212  | 392602   | 30.836 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.256 | 264  | 482987   | 29.337 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.204  | 88   | 13116    | 8.240  | ng/uL# | 86       |
| 5) Pyridine                   | 3.587  | 79   | 96185    | 21.902 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.745  | 77   | 74281    | 33.211 | ng/u1  | 99       |
| 8) Phenol                     | 6.787  | 94   | 128145   | 25.648 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.028  | 93   | 101004   | 25.903 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.139  | 128  | 108020   | 27.234 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.022  | 108  | 92208    | 25.003 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.098  | 45   | 119168   | 25.623 | ng/u1  | 97       |
| 16) Acetophenone              | 8.404  | 105  | 150412   | 24.497 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.386  | 70   | 76325    | 26.328 | ng/u1# | 88       |
| 18) 4-Methylphenol            | 8.351  | 108  | 101962   | 25.651 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.622  | 117  | 50808    | 29.124 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.780  | 77   | 122565   | 28.043 | ng/u1  | 97       |
| 23) Isophorone                | 9.298  | 82   | 218888   | 27.258 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.480  | 139  | 58634    | 28.095 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.539  | 107  | 99079    | 24.625 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.786  | 93   | 133159   | 27.971 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.004 | 162  | 97870    | 28.099 | ng/u1  | 98       |
| 30) Naphthalene               | 10.392 | 128  | 324452   | 26.427 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.527 | 127  | 120135   | 22.494 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.657 | 225  | 59342    | 27.402 | ng/u1  | 94       |
| 34) Caprolactam               | 11.333 | 113  | 29058m   | 24.711 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.657 | 107  | 96304    | 27.814 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.016 | 142  | 213796   | 26.671 | ng/u1  | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
 Data File : BM045308.D  
 Acq On : 17 Apr 2024 08:15  
 Operator : MA/JU  
 Sample : PB160241BS  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

## Instrument :

BNA\_M

ClientSampleId :

SLCS241

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024

Quant Time: Apr 17 08:46:33 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Apr 15 22:24:11 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.239 | 142  | 219716   | 27.085 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.386 | 216  | 107156   | 28.086 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.351 | 237  | 58367    | 25.272 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.645 | 196  | 73662    | 29.597 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.721 | 196  | 77572    | 28.288 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.051 | 154  | 275685   | 27.985 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.092 | 162  | 217652   | 27.194 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.327 | 65   | 67313    | 30.468 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.704 | 163  | 279598   | 27.539 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.833 | 165  | 54781    | 27.528 | ng/ul# | 80       |
| 50) Acenaphthylene            | 13.945 | 152  | 352112   | 26.272 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.168 | 138  | 55907    | 25.756 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.292 | 153  | 235181   | 26.298 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.386 | 184  | 27116    | 22.919 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.480 | 109  | 46988    | 26.355 | ng/ul  | 85       |
| 56) Dibenzofuran              | 14.633 | 168  | 317920   | 25.979 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.627 | 165  | 78728    | 26.430 | ng/ul# | 83       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.862 | 232  | 64593    | 27.522 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.080 | 149  | 290970   | 28.092 | ng/ul  | 99       |
| 61) Fluorene                  | 15.286 | 166  | 262258   | 25.426 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.286 | 204  | 121567   | 25.145 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.339 | 138  | 54379m   | 27.555 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.392 | 198  | 44979    | 26.434 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.509 | 169  | 223135   | 30.867 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.186 | 248  | 78063    | 29.911 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.280 | 284  | 97675    | 28.771 | ng/ul  | 92       |
| 70) Atrazine                  | 16.480 | 200  | 76306    | 28.696 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.639 | 266  | 55123    | 26.730 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.033 | 178  | 411370   | 28.527 | ng/ul  | 99       |
| 74) Anthracene                | 17.121 | 178  | 412622   | 27.972 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.010 | 216  | 106841   | 31.633 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.539 | 250  | 106566   | 29.655 | ng/uL  | 97       |
| 77) Carbazole                 | 17.409 | 167  | 386477   | 27.171 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.974 | 149  | 514303   | 32.062 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.056 | 202  | 475675   | 31.677 | ng/ul  | 99       |
| 82) Pyrene                    | 19.427 | 202  | 507572   | 31.322 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.350 | 149  | 234896   | 34.598 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.133 | 252  | 160534   | 27.923 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.186 | 228  | 492998   | 28.100 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 352589   | 33.223 | ng/ul  | 96       |
| 87) Chrysene                  | 21.238 | 228  | 477468   | 29.194 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.003 | 149  | 615988   | 29.010 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.738 | 252  | 555857   | 28.260 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.785 | 252  | 563221   | 28.448 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.303 | 252  | 490655   | 25.631 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.597 | 276  | 752083   | 30.329 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.609 | 278  | 615542   | 29.690 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.268 | 276  | 601675   | 30.756 | ng/ul  | 98       |

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

