

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041124\  
 Data File : BM045202.D  
 Acq On : 13 Apr 2024 11:07  
 Operator : MA/JU  
 Sample : PB160146BS  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS146

Quant Time: Apr 15 02:58:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 11 18:54:49 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/16/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.610  | 152  | 65648    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.380 | 136  | 254354   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.257 | 164  | 136819   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.015 | 188  | 244156   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.227 | 240  | 211854   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.438 | 264  | 269913   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.204  | 96   | 11637    | 6.619  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 126048   | 26.366 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.792  | 99   | 154459   | 27.754 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.963  | 67   | 94830    | 28.600 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.145  | 132  | 131068   | 30.061 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.322  | 113  | 115468   | 26.507 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.769  | 128  | 60990    | 31.217 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 65032    | 31.536 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.010 | 165  | 115722   | 30.607 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.539 | 131  | 151973   | 25.246 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.686 | 166  | 280279   | 29.422 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.945 | 160  | 351062   | 31.194 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.492 | 143  | 41801    | 21.025 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.257 | 176  | 242616   | 28.567 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 38767    | 26.779 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.115 | 188  | 334280   | 30.435 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.421 | 212  | 369728   | 35.443 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.297 | 264  | 420302   | 31.921 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 15010    | 8.175  | ng/uL  | 89       |
| 5) Pyridine                   | 3.616  | 79   | 126932   | 25.058 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.775  | 77   | 87655    | 33.976 | ng/u1  | 99       |
| 8) Phenol                     | 6.822  | 94   | 152308   | 26.428 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.057  | 93   | 121595   | 27.034 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.175  | 128  | 128262   | 28.035 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.057  | 108  | 108215   | 25.439 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.128  | 45   | 141820m  | 26.436 | ng/u1  |          |
| 16) Acetophenone              | 8.439  | 105  | 178866   | 25.255 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.422  | 70   | 87068    | 26.037 | ng/u1# | 91       |
| 18) 4-Methylphenol            | 8.381  | 108  | 119308   | 26.021 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.657  | 117  | 58248    | 28.947 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.816  | 77   | 137889   | 28.766 | ng/u1  | 96       |
| 23) Isophorone                | 9.333  | 82   | 236360   | 26.838 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.516  | 139  | 67908    | 29.669 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.575  | 107  | 99517    | 22.552 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.816  | 93   | 145273   | 27.824 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.039 | 162  | 111828   | 29.275 | ng/u1  | 95       |
| 30) Naphthalene               | 10.428 | 128  | 377883   | 28.065 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.563 | 127  | 137724   | 23.513 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.692 | 225  | 68269    | 28.744 | ng/u1  | 96       |
| 34) Caprolactam               | 11.363 | 113  | 28766m   | 22.306 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.686 | 107  | 101964   | 26.852 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.051 | 142  | 240496   | 27.355 | ng/u1  | 98       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 11 18:54:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.274 | 142  | 239899   | 26.965 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.422 | 216  | 119761   | 32.007 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.386 | 237  | 54086    | 23.878 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.680 | 196  | 76071    | 31.166 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.757 | 196  | 80860    | 30.066 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.080 | 154  | 296267   | 30.665 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.121 | 162  | 237102   | 30.207 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.357 | 65   | 64739    | 29.879 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.733 | 163  | 264476   | 26.561 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 13.863 | 165  | 53797    | 27.565 | ng/ul# | 88       |
| 50) Acenaphthylene            | 13.974 | 152  | 374095   | 28.461 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.192 | 138  | 55642    | 26.137 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.321 | 153  | 244047   | 27.825 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.416 | 184  | 22769    | 19.623 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.510 | 109  | 35484    | 20.294 | ng/ul  | 84       |
| 56) Dibenzofuran              | 14.663 | 168  | 333726   | 27.806 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 74053    | 25.349 | ng/ul  | 85       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.892 | 232  | 62445    | 27.129 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.104 | 149  | 255605   | 25.162 | ng/ul  | 99       |
| 61) Fluorene                  | 15.315 | 166  | 259632   | 25.666 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.315 | 204  | 121718   | 25.671 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.368 | 138  | 45888    | 23.709 | ng/ul  | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.415 | 198  | 39578    | 25.529 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.533 | 169  | 210658   | 31.984 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.215 | 248  | 73785    | 31.029 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.310 | 284  | 90181    | 29.154 | ng/ul  | 95       |
| 70) Atrazine                  | 16.504 | 200  | 63314    | 26.133 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.668 | 266  | 47725    | 25.400 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.057 | 178  | 385029   | 29.304 | ng/ul  | 98       |
| 74) Anthracene                | 17.151 | 178  | 378867   | 28.189 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.039 | 216  | 117524   | 38.190 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.574 | 250  | 113632   | 34.705 | ng/uL  | 98       |
| 77) Carbazole                 | 17.439 | 167  | 347622   | 26.823 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 388773   | 26.601 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.086 | 202  | 415119   | 33.739 | ng/ul  | 99       |
| 82) Pyrene                    | 19.450 | 202  | 444596   | 33.485 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.374 | 149  | 156455   | 28.125 | ng/ul  | 90       |
| 84) 3,3'-Dichlorobenzidine    | 21.162 | 252  | 121044   | 25.696 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.209 | 228  | 414035   | 28.803 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.156 | 149  | 214938   | 24.719 | ng/ul  | 98       |
| 87) Chrysene                  | 21.262 | 228  | 400500   | 29.887 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.033 | 149  | 367706   | 21.652 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.774 | 252  | 453377   | 28.820 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.821 | 252  | 460875   | 29.106 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.344 | 252  | 400695   | 26.171 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.656 | 276  | 623643   | 31.445 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.674 | 278  | 505741   | 30.500 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.332 | 276  | 497557   | 31.801 | ng/ul  | 99       |

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

