

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041124\  
 Data File : BM045144.D  
 Acq On : 11 Apr 2024 21:09  
 Operator : MA/JU  
 Sample : P1968-02MS 10X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA\_M

ClientSampleId :

E07R9MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/16/2024

Quant Time: Apr 11 22:52:25 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 76440    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.392 | 136  | 351577   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.263 | 164  | 230385   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.027 | 188  | 447479   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.239 | 240  | 339073   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.450 | 264  | 371099   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 7648     | 3.736  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 65861    | 11.831 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.804  | 99   | 56329    | 8.692  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 149564   | 38.739 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.151  | 132  | 155643   | 30.657 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 105524   | 20.804 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.781  | 128  | 106405   | 39.401 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.492  | 143  | 116499   | 40.871 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.022 | 165  | 194145   | 37.149 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.545 | 131  | 272505   | 32.751 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 698967   | 43.574 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 763627   | 40.296 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 27429    | 8.193  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.268 | 176  | 583301   | 40.788 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 108163   | 40.767 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.127 | 188  | 879772   | 43.705 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 939888   | 56.295 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.309 | 264  | 833243   | 46.027 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
| 2) 1,4-Dioxane                | 3.240  | 88   | 10128    | 4.738  | ng/uL# | 1        |
| 5) Pyridine                   | 3.622  | 79   | 66375    | 11.253 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.787  | 77   | 135100   | 44.973 | ng/u1  | 98       |
| 8) Phenol                     | 6.828  | 94   | 58597    | 8.732  | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.069  | 93   | 194998   | 37.233 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.187  | 128  | 154424   | 28.988 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.063  | 108  | 112092   | 22.630 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.140  | 45   | 232846   | 37.276 | ng/u1  | 99       |
| 16) Acetophenone              | 8.445  | 105  | 330667   | 40.097 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.434  | 70   | 163697   | 42.041 | ng/u1# | 91       |
| 18) 4-Methylphenol            | 8.392  | 108  | 109675   | 20.543 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.669  | 117  | 80532    | 34.370 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.822  | 77   | 250694   | 37.837 | ng/u1  | 97       |
| 23) Isophorone                | 9.345  | 82   | 487599   | 40.055 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.522  | 139  | 118385   | 37.419 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.581  | 107  | 150156   | 24.618 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.828  | 93   | 286858   | 39.749 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.045 | 162  | 181029   | 34.286 | ng/u1  | 99       |
| 30) Naphthalene               | 10.439 | 128  | 663935   | 35.673 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.569 | 127  | 231437   | 28.586 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.704 | 225  | 113656   | 34.620 | ng/u1  | 95       |
| 34) Caprolactam               | 11.392 | 113  | 10550m   | 5.918  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.692 | 107  | 183495   | 34.959 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.063 | 142  | 464326   | 38.210 | ng/u1  | 98       |

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## Manual Integrations

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Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.280 | 142  | 468213   | 38.074 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.433 | 216  | 230718   | 36.618 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.392 | 237  | 109223   | 28.637 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.686 | 196  | 163424   | 39.762 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.757 | 196  | 177288   | 39.148 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 13.092 | 154  | 619192   | 38.061 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.133 | 162  | 495847   | 37.515 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.363 | 65   | 158387   | 43.412 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.745 | 163  | 691242   | 41.227 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.874 | 165  | 146541   | 44.592 | ng/ul | 93       |
| 50) Acenaphthylene            | 13.986 | 152  | 842497   | 38.065 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.204 | 138  | 144613   | 40.342 | ng/ul | 94       |
| 52) Acenaphthene              | 14.333 | 153  | 572577   | 38.769 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.416 | 184  | 68388    | 35.002 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.521 | 109  | 22804    | 7.745  | ng/ul | 85       |
| 56) Dibenzofuran              | 14.669 | 168  | 784298   | 38.808 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.663 | 165  | 209490   | 42.587 | ng/ul | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 157048   | 40.520 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.116 | 149  | 724369   | 42.348 | ng/ul | 99       |
| 61) Fluorene                  | 15.321 | 166  | 695289   | 40.819 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.321 | 204  | 321673   | 40.290 | ng/ul | 92       |
| 63) 4-Nitroaniline            | 15.374 | 138  | 134047   | 41.131 | ng/ul | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.427 | 198  | 108332   | 38.127 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.545 | 169  | 538687   | 44.625 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.221 | 248  | 194362   | 44.598 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.321 | 284  | 239430   | 42.234 | ng/ul | 95       |
| 70) Atrazine                  | 16.515 | 200  | 164711   | 37.094 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.674 | 266  | 137730   | 39.995 | ng/ul | 98       |
| 72) Phenanthrene              | 17.068 | 178  | 1021092  | 42.403 | ng/ul | 99       |
| 74) Anthracene                | 17.162 | 178  | 1020895  | 41.445 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216  | 235611   | 41.775 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 14.580 | 250  | 254087   | 42.342 | ng/uL | 97       |
| 77) Carbazole                 | 17.445 | 167  | 931882   | 39.234 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.009 | 149  | 1248662  | 46.616 | ng/ul | 99       |
| 80) Fluoranthene              | 19.098 | 202  | 1101046  | 55.913 | ng/ul | 99       |
| 82) Pyrene                    | 19.462 | 202  | 1140208  | 53.656 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.386 | 149  | 472946   | 53.121 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.162 | 252  | 262744   | 34.850 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.221 | 228  | 988876   | 42.982 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.162 | 149  | 693472   | 49.829 | ng/ul | 98       |
| 87) Chrysene                  | 21.274 | 228  | 918267   | 42.815 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.044 | 149  | 1028929  | 44.068 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.786 | 252  | 960510   | 44.408 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.833 | 252  | 965871   | 44.367 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.356 | 252  | 913539   | 43.398 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.680 | 276  | 1157514  | 42.450 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.691 | 278  | 971633   | 42.620 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.356 | 276  | 943746   | 43.872 | ng/ul | 99       |

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

