

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101724\  
 Data File : BM048108.D  
 Acq On : 17 Oct 2024 15:47  
 Operator : RC/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV033

Quant Time: Oct 17 16:23:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 17 15:44:59 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
 Supervised By :mohammad ahmed 10/19/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 274828   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.563 | 136  | 1087829  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.410 | 164  | 643432   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.151 | 188  | 1245149  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 1104160  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.362 | 264  | 1260485  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 52555    | 7.261  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.652  | 84   | 368296   | 18.912 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.945  | 99   | 410277   | 18.430 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.104  | 67   | 264583   | 20.008 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 365501   | 18.982 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.487  | 113  | 324631   | 18.736 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.928  | 128  | 170007   | 18.520 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.651  | 143  | 188828   | 18.589 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.192 | 165  | 332992   | 18.613 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.698 | 131  | 451401   | 19.277 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.822 | 166  | 877542   | 18.778 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.104 | 160  | 1058689  | 19.053 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.621 | 143  | 158718   | 18.375 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.398 | 176  | 748329   | 18.756 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 200  | 148660   | 18.459 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.251 | 188  | 1117632  | 18.926 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.539 | 212  | 1254655  | 18.595 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.156 | 264  | 1251526  | 18.589 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.269  | 88   | 54830    | 7.234  | ng/uL  | 99       |
| 5) Pyridine                   | 3.669  | 79   | 339008   | 17.037 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.916  | 77   | 198245   | 19.243 | ng/u1  | 98       |
| 8) Phenol                     | 6.975  | 94   | 422720   | 18.460 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.198  | 93   | 341933   | 18.605 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.340  | 128  | 356619   | 18.381 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.222  | 108  | 318940   | 18.413 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.292  | 45   | 480785   | 18.532 | ng/u1  | 99       |
| 16) Acetophenone              | 8.592  | 105  | 514368   | 19.359 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.581  | 70   | 240065   | 19.082 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.545  | 108  | 348555   | 18.703 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.845  | 117  | 153811   | 18.650 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.969  | 77   | 359837   | 18.115 | ng/u1  | 99       |
| 23) Isophorone                | 9.498  | 82   | 682881   | 17.976 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.681  | 139  | 200349   | 18.495 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.745  | 107  | 310415   | 16.450 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.975  | 93   | 428551   | 18.007 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.216 | 162  | 327899   | 18.297 | ng/u1  | 98       |
| 30) Naphthalene               | 10.610 | 128  | 1108849  | 18.440 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.722 | 127  | 441165   | 19.537 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.898 | 225  | 217028   | 18.321 | ng/u1  | 99       |
| 34) Caprolactam               | 11.504 | 113  | 99003m   | 17.861 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.857 | 107  | 316654   | 18.381 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.227 | 142  | 739962   | 18.907 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.445 | 142  | 693977   | 17.607 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.598 | 216  | 383795   | 18.308 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.575 | 237  | 199851   | 17.036 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.839 | 196  | 251335   | 18.230 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.916 | 196  | 264286   | 18.204 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.239 | 154  | 920463   | 18.523 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.280 | 162  | 721767   | 18.317 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.492 | 65   | 191891   | 18.737 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.869 | 163  | 864370   | 18.393 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.986 | 165  | 184578   | 19.777 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.133 | 152  | 1143278  | 19.019 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.316 | 138  | 200466   | 20.593 | ng/ul | 95       |
| 52) Acenaphthene              | 14.474 | 153  | 770773   | 18.533 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.527 | 184  | 107400   | 17.441 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.633 | 109  | 106608   | 17.740 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.810 | 168  | 1076894  | 18.926 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.780 | 165  | 249160   | 18.793 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.039 | 232  | 230018   | 19.640 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.227 | 149  | 858049   | 18.412 | ng/ul | 100      |
| 61) Fluorene                  | 15.457 | 166  | 835947   | 18.797 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.451 | 204  | 410019   | 18.539 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.474 | 138  | 195987   | 23.246 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.539 | 198  | 158744   | 18.323 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.663 | 169  | 713485   | 19.054 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.345 | 248  | 249034   | 18.435 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.463 | 284  | 297889   | 18.658 | ng/ul | 98       |
| 70) Atrazine                  | 16.615 | 200  | 249764   | 19.875 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.804 | 266  | 191321   | 18.587 | ng/ul | 99       |
| 72) Phenanthrene              | 17.192 | 178  | 1267953  | 18.616 | ng/ul | 99       |
| 74) Anthracene                | 17.280 | 178  | 1298654  | 19.000 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.204 | 216  | 359448   | 17.173 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 14.727 | 250  | 361817   | 17.752 | ng/ul | 97       |
| 77) Carbazole                 | 17.551 | 167  | 1179430  | 19.481 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.115 | 149  | 1463922  | 18.358 | ng/ul | 99       |
| 80) Fluoranthene              | 19.204 | 202  | 1434830  | 18.278 | ng/ul | 99       |
| 82) Pyrene                    | 19.568 | 202  | 1523923  | 18.223 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.456 | 149  | 649490   | 17.878 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 537954   | 21.845 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 1455289  | 18.127 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 962000   | 18.318 | ng/ul | 100      |
| 87) Chrysene                  | 21.415 | 228  | 1382217  | 18.269 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.397 | 149  | 1676932  | 18.438 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.415 | 252  | 1475383  | 18.583 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.480 | 252  | 1411721  | 17.853 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.221 | 252  | 1388749  | 18.790 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.726 | 276  | 1752542  | 18.291 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.785 | 278  | 1441673  | 18.622 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 28.779 | 276  | 1326846  | 17.793 | ng/ul | 99       |

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

