

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092724\  
 Data File : BM047682.D  
 Acq On : 27 Sep 2024 20:14  
 Operator : RC/JU  
 Sample : SSTD04039  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD040023

Quant Time: Sep 28 02:20:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 28 01:59:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
 Supervised By :mohammad ahmed 10/01/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.816  | 152  | 150938   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.610 | 136  | 627707   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 374365   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 718161   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.409 | 240  | 695790   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.415 | 264  | 727373   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.257  | 96   | 71164    | 19.014 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 555306   | 46.442 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.981  | 99   | 565228   | 39.950 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.145  | 67   | 404119   | 45.887 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.351  | 132  | 436600   | 40.518 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.522  | 113  | 430646   | 38.724 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.969  | 128  | 212507   | 43.838 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.692  | 143  | 212016   | 46.296 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.228 | 165  | 406094   | 43.611 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.739 | 131  | 594807   | 39.030 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.857 | 166  | 1109880  | 40.335 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.139 | 160  | 1356427  | 40.852 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.639 | 143  | 223234   | 40.946 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 973606   | 40.946 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 173402   | 45.673 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 1472081  | 42.567 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.568 | 212  | 1642866  | 40.513 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.215 | 264  | 1594689  | 41.257 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 78414    | 19.413 | ng/uL  | 99       |
| 5) Pyridine                   | 3.693  | 79   | 582010   | 47.143 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.951  | 77   | 350935   | 46.862 | ng/u1  | 98       |
| 8) Phenol                     | 7.004  | 94   | 610144   | 41.891 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.240  | 93   | 484007   | 42.023 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.381  | 128  | 456358   | 40.891 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.257  | 108  | 424267   | 38.697 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 922934   | 54.679 | ng/u1  | 100      |
| 16) Acetophenone              | 8.634  | 105  | 739995   | 41.349 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.628  | 70   | 418171   | 44.028 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.587  | 108  | 481046   | 40.185 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.898  | 117  | 200394   | 41.790 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.010  | 77   | 590475   | 48.746 | ng/u1  | 99       |
| 23) Isophorone                | 9.545  | 82   | 1075136  | 44.507 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.722  | 139  | 236656   | 44.698 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.786  | 107  | 484708   | 42.561 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.022 | 93   | 632778   | 43.289 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 414402   | 43.895 | ng/u1  | 99       |
| 30) Naphthalene               | 10.663 | 128  | 1448212  | 41.876 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.763 | 127  | 587625   | 39.193 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.957 | 225  | 260049   | 46.183 | ng/u1  | 98       |
| 34) Caprolactam               | 11.539 | 113  | 130938m  | 36.010 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.892 | 107  | 441529   | 41.533 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.275 | 142  | 951827   | 40.040 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.492 | 142  | 965538   | 40.200 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.639 | 216  | 487241   | 43.840 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.627 | 237  | 294066   | 38.486 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.880 | 196  | 300235   | 44.025 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.951 | 196  | 325507   | 43.915 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.280 | 154  | 1207063  | 40.905 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.322 | 162  | 931850   | 41.178 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.521 | 65   | 329249   | 50.011 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.904 | 163  | 1117923  | 39.998 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.021 | 165  | 215208   | 42.196 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.169 | 152  | 1516851  | 42.261 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.345 | 138  | 244721   | 41.098 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.516 | 153  | 1042156  | 40.870 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.551 | 184  | 118613   | 42.265 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 14.651 | 109  | 188802   | 41.134 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.845 | 168  | 1406522  | 42.438 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 322303   | 43.883 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.074 | 232  | 263450   | 46.189 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.268 | 149  | 1133657  | 38.337 | ng/ul  | 99       |
| 61) Fluorene                  | 15.498 | 166  | 1195001  | 41.314 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 566793   | 42.316 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.504 | 138  | 256816   | 43.585 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.568 | 198  | 193696   | 45.136 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 935831   | 41.918 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.380 | 248  | 305349   | 41.096 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.498 | 284  | 352621   | 41.535 | ng/ul  | 98       |
| 70) Atrazine                  | 16.651 | 200  | 309027   | 39.403 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.833 | 266  | 220261   | 41.226 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.227 | 178  | 1720372  | 41.991 | ng/ul  | 99       |
| 74) Anthracene                | 17.321 | 178  | 1798216  | 43.347 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216  | 472777   | 45.270 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.768 | 250  | 466183   | 45.197 | ng/uL  | 99       |
| 77) Carbazole                 | 17.586 | 167  | 1616044  | 42.607 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.156 | 149  | 1887651  | 38.602 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 1913703  | 40.040 | ng/ul  | 99       |
| 82) Pyrene                    | 19.598 | 202  | 2149704  | 42.199 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.497 | 149  | 804698   | 34.603 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.315 | 252  | 614920   | 37.380 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 1995318  | 40.145 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.321 | 149  | 1255219  | 35.595 | ng/ul  | 100      |
| 87) Chrysene                  | 21.456 | 228  | 1930177  | 42.093 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.456 | 149  | 1964442  | 33.807 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.468 | 252  | 1889279  | 40.463 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.533 | 252  | 1960759  | 42.756 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.280 | 252  | 1823260  | 42.506 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.815 | 276  | 2287552  | 43.486 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.874 | 278  | 1878078  | 43.848 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.879 | 276  | 1784631  | 44.412 | ng/ul  | 99       |

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

