

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110122\  
 Data File : BM037308.D  
 Acq On : 01 Nov 2022 14:26  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV039

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/02/2022  
 Supervised By :mohammad ahmed 11/04/2022

Quant Time: Nov 02 03:35:21 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM110122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 02 03:33:37 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.857  | 152  | 303611   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.657 | 136  | 1424944  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.492 | 164  | 939606   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.233 | 188  | 1988202  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.403 | 240  | 2068442  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.756 | 264  | 1749052  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 49033    | 7.119  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 356973   | 17.363 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.028  | 99   | 468154   | 17.718 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.193  | 67   | 328613   | 20.267 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.387  | 132  | 382740   | 18.959 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 402327   | 18.647 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.028  | 128  | 205769   | 19.332 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.745  | 143  | 226214   | 19.510 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.286 | 165  | 421303   | 19.709 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.804 | 131  | 611469   | 18.719 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 1317417  | 20.278 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.186 | 160  | 1572108  | 20.128 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 242396   | 18.666 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.486 | 176  | 1142605  | 19.722 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 200  | 224796   | 17.851 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.333 | 188  | 1792360  | 19.574 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.621 | 212  | 2062495  | 19.082 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.603 | 264  | 1752854  | 19.469 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.310  | 88   | 49163    | 6.794  | ng/uL  | 99       |
| 5) Pyridine                   | 3.716  | 79   | 331427   | 16.094 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.004  | 77   | 308802   | 25.263 | ng/u1  | 98       |
| 8) Phenol                     | 7.057  | 94   | 474846   | 17.081 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.287  | 93   | 392508   | 17.599 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.422  | 128  | 399019   | 18.266 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.310  | 108  | 373917   | 17.629 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.398  | 45   | 585288m  | 18.477 | ng/u1  |          |
| 16) Acetophenone              | 8.692  | 105  | 649281   | 18.764 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 335207   | 19.503 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.640  | 108  | 417362   | 17.864 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.934  | 117  | 162469   | 18.740 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.069  | 77   | 467371   | 18.192 | ng/u1  | 98       |
| 23) Isophorone                | 9.598  | 82   | 910093   | 18.367 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.781  | 139  | 247006   | 18.639 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.839  | 107  | 458123   | 18.385 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.081 | 93   | 582993   | 18.924 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.310 | 162  | 409099   | 18.597 | ng/u1  | 100      |
| 30) Naphthalene               | 10.710 | 128  | 1397012  | 18.376 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.828 | 127  | 618866   | 18.283 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.986 | 225  | 250893   | 18.520 | ng/u1  | 99       |
| 34) Caprolactam               | 11.622 | 113  | 130106m  | 17.973 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.951 | 107  | 432647   | 18.961 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.322 | 142  | 988981   | 18.837 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.539 | 142  | 959094   | 18.154 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.686 | 216  | 512061   | 18.158 | ng/u1 | 98       |
| 40) Hexachlorocyclopentadiene | 12.657 | 237  | 279224   | 17.711 | ng/u1 | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.933 | 196  | 340048   | 18.680 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.004 | 196  | 366452   | 18.695 | ng/u1 | 98       |
| 43) 1,1'-Biphenyl             | 13.327 | 154  | 1324927  | 18.972 | ng/u1 | 100      |
| 44) 2-Chloronaphthalene       | 13.375 | 162  | 1031267  | 18.378 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.586 | 65   | 286730   | 19.378 | ng/u1 | 98       |
| 47) Dimethylphthalate         | 13.963 | 163  | 1306670  | 18.882 | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.080 | 165  | 282513   | 20.850 | ng/u1 | 98       |
| 50) Acenaphthylene            | 14.216 | 152  | 1644838  | 19.267 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.410 | 138  | 296715   | 20.293 | ng/u1 | 95       |
| 52) Acenaphthene              | 14.557 | 153  | 1115948  | 18.371 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.621 | 184  | 147046   | 16.161 | ng/u1 | 97       |
| 55) 4-Nitrophenol             | 14.721 | 109  | 172030   | 18.015 | ng/u1 | 99       |
| 56) Dibenzofuran              | 14.892 | 168  | 1573030  | 19.178 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 14.869 | 165  | 378875   | 19.084 | ng/u1 | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.121 | 232  | 315786   | 18.505 | ng/u1 | 94       |
| 59) Diethylphthalate          | 15.316 | 149  | 1297005  | 18.818 | ng/u1 | 99       |
| 61) Fluorene                  | 15.539 | 166  | 1313875  | 18.938 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204  | 635609   | 18.642 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.574 | 138  | 309919m  | 22.798 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.627 | 198  | 226543   | 16.934 | ng/u1 | 98       |
| 67) N-Nitrosodiphenylamine    | 15.751 | 169  | 1105870  | 18.764 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.427 | 248  | 384020   | 18.156 | ng/u1 | 100      |
| 69) Hexachlorobenzene         | 16.533 | 284  | 468706   | 18.158 | ng/u1 | 99       |
| 70) Atrazine                  | 16.704 | 200  | 360815   | 17.293 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 16.886 | 266  | 266568   | 16.875 | ng/u1 | 97       |
| 72) Phenanthrene              | 17.274 | 178  | 2040182  | 18.352 | ng/u1 | 100      |
| 74) Anthracene                | 17.368 | 178  | 2071960  | 18.524 | ng/u1 | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.292 | 216  | 487580   | 16.923 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 501638   | 16.002 | ng/uL | 100      |
| 77) Carbazole                 | 17.645 | 167  | 1890957  | 18.739 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 2215531  | 19.057 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.286 | 202  | 2366554  | 17.793 | ng/u1 | 100      |
| 82) Pyrene                    | 19.651 | 202  | 2534475  | 18.088 | ng/u1 | 100      |
| 83) Butylbenzylphthalate      | 20.545 | 149  | 998219   | 18.342 | ng/u1 | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.327 | 252  | 919819   | 19.188 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 2479103  | 18.676 | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.315 | 149  | 1447230  | 19.071 | ng/u1 | 99       |
| 87) Chrysene                  | 21.445 | 228  | 2323623  | 18.603 | ng/u1 | 100      |
| 89) Di-n-octyl phthalate      | 22.221 | 149  | 2192451  | 17.229 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.039 | 252  | 2243072  | 18.435 | ng/u1 | 100      |
| 91) Benzo(k)fluoranthene      | 23.086 | 252  | 2218103  | 18.619 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.650 | 252  | 1881648  | 18.491 | ng/u1 | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.185 | 276  | 1967168  | 18.063 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.203 | 278  | 1723494  | 17.598 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 26.932 | 276  | 1617904  | 17.339 | ng/u1 | 99       |

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

