

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022823\  
 Data File : BM038818.D  
 Acq On : 28 Feb 2023 19:17  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV046

Quant Time: Mar 01 02:16:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 01 02:09:21 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh  
 Patel

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.016  | 152  | 260738   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.828 | 136  | 1182809  | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.651 | 164  | 770216   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.392 | 188  | 1693716  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.568 | 240  | 1714615  | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.027 | 264  | 1967256  | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 47829    | 6.850  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.805  | 84   | 315175   | 16.417 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.157  | 99   | 412154   | 16.861 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.340  | 67   | 292626   | 18.735 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.540  | 132  | 322987   | 17.732 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.716  | 113  | 326862   | 16.973 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.181  | 128  | 157911   | 19.017 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.904  | 143  | 150738   | 19.373 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.439 | 165  | 320496   | 17.726 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.963 | 131  | 500801   | 16.618 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.063 | 166  | 1034065  | 17.334 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.345 | 160  | 1223436  | 17.547 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.821 | 143  | 209617   | 17.553 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.639 | 176  | 902356   | 17.151 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 200  | 145471   | 16.521 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 1438561  | 17.225 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.774 | 212  | 1661105  | 17.614 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.868 | 264  | 1728980  | 17.440 | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.416  | 88   | 48097    | 6.409  | ng/uL | 97       |
| 5) Pyridine                   | 3.822  | 79   | 336347   | 16.274 | ng/u1 | 98       |
| 6) Benzaldehyde               | 7.145  | 77   | 298494   | 25.213 | ng/u1 | 99       |
| 8) Phenol                     | 7.187  | 94   | 448325   | 17.135 | ng/u1 | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.434  | 93   | 358241   | 17.199 | ng/u1 | 99       |
| 12) 2-Chlorophenol            | 7.569  | 128  | 341845   | 18.221 | ng/u1 | 99       |
| 13) 2-Methylphenol            | 8.451  | 108  | 345264   | 17.654 | ng/u1 | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.551  | 45   | 454528   | 17.382 | ng/u1 | 100      |
| 16) Acetophenone              | 8.839  | 105  | 592472   | 17.702 | ng/u1 | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.828  | 70   | 287948   | 18.732 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.781  | 108  | 376411   | 17.334 | ng/u1 | 98       |
| 19) Hexachloroethane          | 9.104  | 117  | 132703   | 17.656 | ng/u1 | 96       |
| 22) Nitrobenzene              | 9.222  | 77   | 406362   | 17.888 | ng/u1 | 98       |
| 23) Isophorone                | 9.745  | 82   | 819440   | 17.734 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.934  | 139  | 183858   | 19.926 | ng/u1 | 97       |
| 26) 2,4-Dimethylphenol        | 9.992  | 107  | 405244   | 17.877 | ng/u1 | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.239 | 93   | 496484   | 17.509 | ng/u1 | 100      |
| 29) 2,4-Dichlorophenol        | 10.469 | 162  | 333943   | 18.220 | ng/u1 | 99       |
| 30) Naphthalene               | 10.881 | 128  | 1171233  | 17.353 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 10.986 | 127  | 530061   | 17.372 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.169 | 225  | 196192   | 17.204 | ng/u1 | 99       |
| 34) Caprolactam               | 11.739 | 113  | 122556m  | 19.500 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.098 | 107  | 374371   | 18.068 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.480 | 142  | 812155   | 18.435 | ng/u1 | 99       |

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| 37) 1-Methylnaphthalene       | 12.704 | 142  | 761579   | 17.157 | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.845 | 216  | 410056   | 17.798 | ng/u1 | 100      |
| 40) Hexachlorocyclopentadiene | 12.833 | 237  | 214011   | 17.217 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.080 | 196  | 263764   | 18.151 | ng/u1 | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.151 | 196  | 289406   | 18.095 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.486 | 154  | 1075981  | 17.711 | ng/u1 | 100      |
| 44) 2-Chloronaphthalene       | 13.527 | 162  | 823720   | 17.191 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.727 | 65   | 218008   | 20.161 | ng/u1 | 96       |
| 47) Dimethylphthalate         | 14.110 | 163  | 1052314  | 17.406 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 212445   | 22.207 | ng/u1 | 96       |
| 50) Acenaphthylene            | 14.369 | 152  | 1366597  | 17.673 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.545 | 138  | 249897   | 20.813 | ng/u1 | 97       |
| 52) Acenaphthene              | 14.710 | 153  | 913702   | 17.166 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.745 | 184  | 92366    | 16.984 | ng/u1 | 98       |
| 55) 4-Nitrophenol             | 14.839 | 109  | 169533   | 17.773 | ng/u1 | 98       |
| 56) Dibenzofuran              | 15.045 | 168  | 1309289  | 17.718 | ng/u1 | 98       |
| 57) 2,4-Dinitrotoluene        | 14.998 | 165  | 289032   | 19.544 | ng/u1 | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.263 | 232  | 270555   | 19.430 | ng/u1 | 98       |
| 59) Diethylphthalate          | 15.468 | 149  | 1054127  | 17.621 | ng/u1 | 100      |
| 61) Fluorene                  | 15.692 | 166  | 1080299  | 17.436 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.692 | 204  | 519350   | 17.363 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.704 | 138  | 272418m  | 21.936 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.763 | 198  | 158120   | 17.352 | ng/u1 | 97       |
| 67) N-Nitrosodiphenylamine    | 15.898 | 169  | 920314   | 17.965 | ng/u1 | 100      |
| 68) 4-Bromophenyl-phenylether | 16.580 | 248  | 302487   | 17.352 | ng/u1 | 99       |
| 69) Hexachlorobenzene         | 16.692 | 284  | 364129   | 17.245 | ng/u1 | 99       |
| 70) Atrazine                  | 16.851 | 200  | 303048   | 17.487 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 17.033 | 266  | 218554   | 17.023 | ng/u1 | 100      |
| 72) Phenanthrene              | 17.433 | 178  | 1683338  | 17.202 | ng/u1 | 99       |
| 74) Anthracene                | 17.521 | 178  | 1744388  | 17.507 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.451 | 216  | 400909   | 16.796 | ng/u1 | 99       |
| 76) Pentachlorobenzene        | 14.963 | 250  | 411342   | 16.772 | ng/u1 | 99       |
| 77) Carbazole                 | 17.792 | 167  | 1642799  | 17.755 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.368 | 149  | 1729786  | 18.375 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.445 | 202  | 1881541  | 17.348 | ng/u1 | 99       |
| 82) Pyrene                    | 19.804 | 202  | 2091713  | 17.587 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.709 | 149  | 670180   | 21.207 | ng/u1 | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.486 | 252  | 754558   | 22.459 | ng/u1 | 100      |
| 85) Benzo(a)anthracene        | 21.550 | 228  | 2106142  | 17.778 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.492 | 149  | 1098456  | 20.908 | ng/u1 | 98       |
| 87) Chrysene                  | 21.609 | 228  | 2011333  | 17.361 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.445 | 149  | 1793645  | 18.133 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 2127466  | 17.417 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.327 | 252  | 2224971  | 17.733 | ng/u1 | 100      |
| 93) Benzo(a)pyrene            | 23.915 | 252  | 1977419  | 17.476 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.591 | 276  | 2618901  | 17.509 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.615 | 278  | 2228187  | 17.658 | ng/u1 | 99       |
| 96) Benzo(g,h,i)perylene      | 27.379 | 276  | 2143935  | 17.506 | ng/u1 | 98       |

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

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