

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112822\  
 Data File : BM037752.D  
 Acq On : 28 Nov 2022 10:26  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020057

Quant Time: Nov 28 22:26:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM112322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 28 22:24:47 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/29/2022  
 Supervised By :mohammad ahmed 11/30/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.110  | 152  | 167726   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.933 | 136  | 816946   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.733 | 164  | 534681   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.468 | 188  | 1143458  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.639 | 240  | 1100396  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 950886   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 34373m   | 8.499  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.869  | 84   | 291310   | 22.129 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.257  | 99   | 343122   | 20.505 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.428  | 67   | 231216   | 20.714 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.634  | 132  | 250803   | 21.570 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.816  | 113  | 272873   | 20.493 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.281  | 128  | 140689   | 21.967 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.004 | 143  | 138651   | 21.971 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.545 | 165  | 248382   | 21.508 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.063 | 131  | 406541   | 21.214 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.139 | 166  | 804932   | 21.254 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.427 | 160  | 972962   | 21.765 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.915 | 143  | 164377   | 19.704 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.721 | 176  | 731444   | 22.052 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.833 | 200  | 114707   | 18.648 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.568 | 188  | 1166089  | 21.807 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.850 | 212  | 1296043  | 23.177 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.962 | 264  | 1060727  | 21.672 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.469  | 88   | 38622    | 8.686  | ng/uL  | 95       |
| 5) Pyridine                   | 3.893  | 79   | 293358   | 21.915 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.239  | 77   | 198108   | 22.557 | ng/u1  | 98       |
| 8) Phenol                     | 7.287  | 94   | 362312   | 20.656 | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.522  | 93   | 289974   | 20.392 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.663  | 128  | 276631   | 21.779 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.551  | 108  | 274128   | 20.487 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.645  | 45   | 517614   | 20.153 | ng/u1  | 99       |
| 16) Acetophenone              | 8.939  | 105  | 467833   | 21.343 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.922  | 70   | 268763   | 20.920 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.881  | 108  | 310424   | 20.998 | ng/u1  | 94       |
| 19) Hexachloroethane          | 9.198  | 117  | 128600   | 23.409 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.322  | 77   | 400906   | 22.958 | ng/u1  | 99       |
| 23) Isophorone                | 9.851  | 82   | 735179   | 20.888 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.039 | 139  | 158826   | 22.252 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 10.092 | 107  | 358609   | 22.878 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.333 | 93   | 415394   | 20.574 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.575 | 162  | 256885   | 21.743 | ng/u1  | 97       |
| 30) Naphthalene               | 10.980 | 128  | 982647   | 21.998 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.086 | 127  | 425467   | 21.305 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.263 | 225  | 148382   | 23.924 | ng/u1  | 98       |
| 34) Caprolactam               | 11.869 | 113  | 93663    | 19.035 | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.198 | 107  | 334782   | 22.167 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.574 | 142  | 675238   | 21.761 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.792 | 142  | 678226   | 21.726 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.939 | 216  | 277259   | 21.118 | ng/ul# | 92       |
| 40) Hexachlorocyclopentadiene | 12.921 | 237  | 167974   | 20.546 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.174 | 196  | 198692   | 21.017 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.245 | 196  | 213181   | 21.075 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.574 | 154  | 878188   | 21.629 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.616 | 162  | 680300   | 21.557 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.816 | 65   | 276874   | 23.141 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.186 | 163  | 858513   | 21.326 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.310 | 165  | 169964   | 21.864 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.457 | 152  | 1119036  | 22.146 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.633 | 138  | 194212   | 20.589 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.798 | 153  | 810198   | 22.420 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.833 | 184  | 73468    | 16.108 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.933 | 109  | 181227   | 24.242 | ng/ul# | 82       |
| 56) Dibenzofuran              | 15.127 | 168  | 1040655  | 22.064 | ng/ul  | 92       |
| 57) 2,4-Dinitrotoluene        | 15.086 | 165  | 257426   | 22.568 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.351 | 232  | 186007   | 22.412 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.539 | 149  | 977864   | 22.506 | ng/ul  | 97       |
| 61) Fluorene                  | 15.774 | 166  | 908392   | 22.233 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.762 | 204  | 400118   | 22.449 | ng/ul  | 92       |
| 63) 4-Nitroaniline            | 15.792 | 138  | 197806m  | 22.064 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.845 | 198  | 124993   | 19.146 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.980 | 169  | 772106   | 21.732 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.657 | 248  | 222989   | 24.245 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.774 | 284  | 252062   | 21.339 | ng/ul  | 92       |
| 70) Atrazine                  | 16.921 | 200  | 247510   | 20.524 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.115 | 266  | 152177   | 19.457 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.515 | 178  | 1471080  | 21.962 | ng/ul  | 100      |
| 74) Anthracene                | 17.604 | 178  | 1509630  | 22.199 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.539 | 216  | 281505   | 20.579 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.051 | 250  | 307740   | 21.152 | ng/uL  | 98       |
| 77) Carbazole                 | 17.874 | 167  | 1401636  | 21.680 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.421 | 149  | 1826043  | 19.512 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.515 | 202  | 1645256  | 23.032 | ng/ul  | 98       |
| 82) Pyrene                    | 19.880 | 202  | 1750822  | 23.205 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.762 | 149  | 838548   | 23.858 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.544 | 252  | 446624   | 20.209 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.621 | 228  | 1592622  | 21.634 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.527 | 149  | 1228929  | 23.142 | ng/ul  | 99       |
| 87) Chrysene                  | 21.674 | 228  | 1488809  | 21.491 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 2058161  | 25.338 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.362 | 252  | 1423019  | 22.014 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.415 | 252  | 1414229  | 22.434 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.015 | 252  | 1210138  | 21.539 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.732 | 276  | 1206626  | 18.720 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.750 | 278  | 1071750  | 18.520 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.538 | 276  | 1045560  | 18.628 | ng/ul  | 96       |

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

