

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080524\  
 Data File : BM046985.D  
 Acq On : 05 Aug 2024 09:08  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020127

Quant Time: Aug 05 11:10:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM080224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 03 02:51:11 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024  
 Supervised By :mohammad ahmed 08/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.398  | 152  | 126671   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.151 | 136  | 514441   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.051 | 164  | 343205   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 16.815 | 188  | 763676   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.050 | 240  | 742788   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.762 | 264  | 940138   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.016  | 96   | 24425    | 7.639  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.404  | 84   | 178878   | 20.510 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.598  | 99   | 203444   | 21.142 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.751  | 67   | 138585   | 21.888 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.940  | 132  | 168244   | 20.641 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.116  | 113  | 160727   | 21.085 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.539  | 128  | 82041    | 19.874 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.251  | 143  | 88887    | 19.717 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 9.792  | 165  | 171663   | 19.833 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.304 | 131  | 231799   | 20.378 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.480 | 166  | 509775   | 19.426 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.739 | 160  | 606577   | 20.708 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.292 | 143  | 98870    | 19.486 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.057 | 176  | 460654   | 20.521 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.198 | 200  | 89428    | 18.535 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.909 | 188  | 739238   | 20.419 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.227 | 212  | 845655   | 19.888 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.574 | 264  | 1003029  | 20.261 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.052  | 88   | 26562    | 7.466  | ng/uL  | 100      |
| 5) Pyridine                   | 3.422  | 79   | 179527   | 20.792 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.557  | 77   | 126872   | 22.955 | ng/u1  | 97       |
| 8) Phenol                     | 6.628  | 94   | 209581   | 21.627 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 6.845  | 93   | 177204   | 21.454 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 6.969  | 128  | 175993   | 21.312 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 7.851  | 108  | 155285   | 21.036 | ng/u1  | 92       |
| 14) 2,2'-oxybis(1-Chloropr... | 7.922  | 45   | 224780   | 22.710 | ng/u1  | 98       |
| 16) Acetophenone              | 8.210  | 105  | 262705   | 21.896 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.204  | 70   | 138139   | 21.833 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.181  | 108  | 172835   | 21.669 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.451  | 117  | 85025    | 21.137 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.581  | 77   | 221661   | 20.098 | ng/u1  | 99       |
| 23) Isophorone                | 9.110  | 82   | 376521   | 19.952 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.286  | 139  | 99090    | 20.093 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.363  | 107  | 196964   | 20.263 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.592  | 93   | 236451   | 20.325 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 9.816  | 162  | 171117   | 19.822 | ng/u1  | 98       |
| 30) Naphthalene               | 10.204 | 128  | 554246   | 20.349 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.328 | 127  | 228878   | 20.719 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.492 | 225  | 115727   | 18.582 | ng/u1  | 97       |
| 34) Caprolactam               | 11.104 | 113  | 51202m   | 19.586 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.469 | 107  | 181186   | 20.355 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 11.827 | 142  | 393799   | 20.706 | ng/u1  | 99       |

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BNA\_M

## ClientSampleId :

SSTD020127

## Manual Integrations

## APPROVED

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 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 05 11:10:01 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM080224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Aug 03 02:51:11 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.051 | 142  | 397669   | 20.655 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.210 | 216  | 203157   | 18.875 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.186 | 237  | 114838   | 16.196 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.469 | 196  | 136315   | 19.349 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.539 | 196  | 146155   | 19.214 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 12.874 | 154  | 517987   | 20.174 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 12.910 | 162  | 417020   | 20.452 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.127 | 65   | 129348   | 20.875 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.527 | 163  | 518746   | 19.700 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.645 | 165  | 103240   | 20.168 | ng/ul  | 94       |
| 50) Acenaphthylene            | 13.768 | 152  | 642246   | 20.761 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 13.974 | 138  | 104823   | 20.107 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.116 | 153  | 461032   | 20.672 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.186 | 184  | 60281    | 16.690 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.304 | 109  | 100419   | 19.555 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.457 | 168  | 646233   | 20.646 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.439 | 165  | 158085   | 20.209 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.698 | 232  | 130602   | 19.314 | ng/ul  | 95       |
| 59) Diethylphthalate          | 14.915 | 149  | 568184   | 20.058 | ng/ul  | 99       |
| 61) Fluorene                  | 15.115 | 166  | 527096   | 20.417 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.121 | 204  | 245500   | 19.316 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.145 | 138  | 110048   | 21.361 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.210 | 198  | 97997    | 18.562 | ng/ul# | 100      |
| 67) N-Nitrosodiphenylamine    | 15.339 | 169  | 459304   | 20.291 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.015 | 248  | 160308   | 19.394 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.121 | 284  | 188995   | 19.418 | ng/ul  | 98       |
| 70) Atrazine                  | 16.310 | 200  | 166440   | 18.741 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.474 | 266  | 122438   | 18.580 | ng/ul  | 98       |
| 72) Phenanthrene              | 16.857 | 178  | 870243   | 20.329 | ng/ul  | 99       |
| 74) Anthracene                | 16.945 | 178  | 891320   | 20.646 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.833 | 216  | 206929   | 18.833 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.380 | 250  | 218346   | 19.198 | ng/uL  | 99       |
| 77) Carbazole                 | 17.227 | 167  | 831683   | 20.780 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.815 | 149  | 1017598  | 19.995 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.886 | 202  | 1016533  | 20.004 | ng/ul  | 98       |
| 82) Pyrene                    | 19.256 | 202  | 1104187  | 20.392 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.197 | 149  | 470889   | 19.897 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 20.974 | 252  | 363384   | 19.956 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.033 | 228  | 1089393  | 20.081 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 20.997 | 149  | 693903   | 20.084 | ng/ul  | 99       |
| 87) Chrysene                  | 21.092 | 228  | 1044243  | 20.183 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.039 | 149  | 1224913  | 18.469 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.915 | 252  | 1157808  | 19.909 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.968 | 252  | 1176104  | 20.465 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.633 | 252  | 1111637  | 20.518 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.768 | 276  | 1415720  | 20.395 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.821 | 278  | 1138086  | 20.412 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.703 | 276  | 1107018  | 20.185 | ng/ul  | 96       |

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

