

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080524\  
 Data File : BM046995.D  
 Acq On : 05 Aug 2024 17:06  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020128

Manual Integrations  
 APPROVED

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

Quant Time: Aug 05 17:59:23 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) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.399  | 152  | 169347   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.157 | 136  | 632670   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.057 | 164  | 428030   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.816 | 188  | 946895   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.056 | 240  | 809785   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.768 | 264  | 902496   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.022  | 96   | 28138    | 6.583  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.411  | 84   | 216066   | 18.531 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.604  | 99   | 257572   | 20.022 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.757  | 67   | 162592   | 19.209 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.940  | 132  | 215230   | 19.751 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.122  | 113  | 214143   | 21.013 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.545  | 128  | 104373   | 20.559 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.257  | 143  | 121467   | 21.909 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.792  | 165  | 228774   | 21.492 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.304 | 131  | 293848   | 21.005 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.486 | 166  | 680762   | 20.801 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.739 | 160  | 769152   | 21.054 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.298 | 143  | 127590   | 20.163 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.063 | 176  | 567347   | 20.265 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.198 | 200  | 114419   | 19.126 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.916 | 188  | 928577   | 20.686 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.227 | 212  | 1003383  | 21.645 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.580 | 264  | 980103   | 20.624 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.052  | 88   | 31353    | 6.592  | ng/uL  | 94       |
| 5) Pyridine                   | 3.428  | 79   | 225786   | 19.560 | ng/u1  | 91       |
| 6) Benzaldehyde               | 6.557  | 77   | 153871   | 20.824 | ng/u1  | 98       |
| 8) Phenol                     | 6.628  | 94   | 264885   | 20.446 | ng/u1  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 6.846  | 93   | 217058   | 19.656 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 6.975  | 128  | 218804   | 19.819 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 7.857  | 108  | 204345   | 20.706 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 7.922  | 45   | 274258   | 20.726 | ng/u1  | 99       |
| 16) Acetophenone              | 8.216  | 105  | 335994   | 20.947 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.204  | 70   | 178315   | 21.081 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.181  | 108  | 223436   | 20.954 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.457  | 117  | 99365    | 18.477 | ng/u1  | 88       |
| 22) Nitrobenzene              | 8.587  | 77   | 262982   | 19.389 | ng/u1  | 95       |
| 23) Isophorone                | 9.110  | 82   | 484624   | 20.881 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.287  | 139  | 127644   | 21.046 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.369  | 107  | 241846   | 20.230 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 9.598  | 93   | 290318   | 20.292 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.822  | 162  | 225890   | 21.277 | ng/u1  | 98       |
| 30) Naphthalene               | 10.204 | 128  | 686049   | 20.481 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.328 | 127  | 290823   | 21.407 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.498 | 225  | 150678   | 19.673 | ng/u1  | 97       |
| 34) Caprolactam               | 11.110 | 113  | 71575m   | 22.263 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.475 | 107  | 231083   | 21.109 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 11.834 | 142  | 493669   | 21.106 | ng/u1  | 99       |

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## ClientSampleId :

SSTD020128

## Manual Integrations

## APPROVED

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

Quant Time: Aug 05 17:59:23 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       | 12.057 | 142  | 497551   | 21.013 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.210 | 216  | 275557   | 20.527 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.192 | 237  | 158384   | 17.911 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.469 | 196  | 188962   | 21.506 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.545 | 196  | 200377   | 21.122 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 12.875 | 154  | 653389   | 20.404 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 12.910 | 162  | 527405   | 20.740 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.133 | 65   | 157973   | 20.442 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.533 | 163  | 679866   | 20.702 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.645 | 165  | 138690   | 21.724 | ng/ul  | 87       |
| 50) Acenaphthylene            | 13.775 | 152  | 808255   | 20.949 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 13.975 | 138  | 135079   | 20.776 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.122 | 153  | 571175   | 20.535 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.192 | 184  | 79228    | 17.589 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.310 | 109  | 111567   | 17.420 | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.463 | 168  | 791261   | 20.270 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 14.445 | 165  | 206207   | 21.136 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.698 | 232  | 172879   | 20.499 | ng/ul  | 93       |
| 59) Diethylphthalate          | 14.916 | 149  | 695163   | 19.677 | ng/ul  | 98       |
| 61) Fluorene                  | 15.116 | 166  | 648610   | 20.144 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.122 | 204  | 317373   | 20.023 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.151 | 138  | 140412m  | 21.853 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.216 | 198  | 127164   | 19.426 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.339 | 169  | 566016   | 20.167 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.021 | 248  | 212955   | 20.778 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.121 | 284  | 249264   | 20.654 | ng/ul  | 98       |
| 70) Atrazine                  | 16.310 | 200  | 226777   | 20.594 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.474 | 266  | 166229   | 20.345 | ng/ul  | 99       |
| 72) Phenanthrene              | 16.857 | 178  | 1069954  | 20.158 | ng/ul  | 100      |
| 74) Anthracene                | 16.951 | 178  | 1084928  | 20.268 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.833 | 216  | 281900   | 20.692 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.380 | 250  | 277835   | 19.702 | ng/uL  | 99       |
| 77) Carbazole                 | 17.227 | 167  | 1004117  | 20.234 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.815 | 149  | 1277854  | 20.250 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.892 | 202  | 1204121  | 21.735 | ng/ul  | 100      |
| 82) Pyrene                    | 19.257 | 202  | 1273400  | 21.572 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.198 | 149  | 571640   | 22.156 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 20.980 | 252  | 403221   | 20.312 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.039 | 228  | 1199887  | 20.288 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.003 | 149  | 814620   | 21.628 | ng/ul  | 98       |
| 87) Chrysene                  | 21.092 | 228  | 1120249  | 19.860 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.039 | 149  | 1418670  | 22.282 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.921 | 252  | 1169994  | 20.958 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.974 | 252  | 1165377  | 21.124 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.639 | 252  | 1071426  | 20.601 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.780 | 276  | 1318747  | 19.791 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.833 | 278  | 1062570  | 19.853 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.715 | 276  | 1022377  | 19.419 | ng/ul  | 98       |

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

