

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122922\  
 Data File : BM038336.D  
 Acq On : 28 Dec 2022 19:35  
 Operator : CG/JU  
 Sample : SSTD08013  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080016

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023  
 Supervised By :Yogesh Patel 01/03/2023

Quant Time: Dec 29 01:57:21 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM122922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 29 01:45:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.004  | 152  | 85605    | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.822 | 136  | 337069   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.639 | 164  | 221029   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.380 | 188  | 490367   | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.550 | 240  | 524852   | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.985 | 264  | 550674   | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.363  | 96   | 71463    | 37.904  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.799  | 84   | 529501   | 94.674  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.175  | 99   | 591015   | 84.961  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.339  | 67   | 386786   | 91.313  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.539  | 132  | 466442   | 81.739  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.728  | 113  | 461546   | 84.999  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.181  | 128  | 225883   | 84.639  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.904  | 143  | 268462   | 95.990  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.445 | 165  | 525058   | 98.841  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 631609   | 86.135  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.051 | 166  | 1431609  | 90.850  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.339 | 160  | 1728172  | 89.733  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.857 | 143  | 254700   | 94.841  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.633 | 176  | 1300393  | 92.626  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.762 | 200  | 314812   | 120.079 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.480 | 188  | 2064847  | 90.223  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.768 | 212  | 2528775  | 80.208  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.833 | 264  | 2465593  | 89.642  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.404  | 88   | 75680    | 38.265  | ng/uL  | 99       |
| 5) Pyridine                   | 3.816  | 79   | 539076   | 95.910  | ng/u1  | 100      |
| 6) Benzaldehyde               | 7.145  | 77   | 221290   | 85.053  | ng/u1  | 99       |
| 8) Phenol                     | 7.204  | 94   | 604474   | 86.641  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.434  | 93   | 491189   | 85.738  | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.569  | 128  | 471287   | 80.753  | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.457  | 108  | 445776   | 83.494  | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.545  | 45   | 668990   | 64.669  | ng/u1  | 99       |
| 16) Acetophenone              | 8.845  | 105  | 787357   | 92.195  | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.833  | 70   | 427022   | 106.144 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.792  | 108  | 484667   | 83.916  | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.086  | 117  | 225123   | 96.488  | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.228  | 77   | 634857   | 110.557 | ng/u1  | 98       |
| 23) Isophorone                | 9.757  | 82   | 1137855  | 108.134 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.939  | 139  | 278677   | 95.043  | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.998  | 107  | 577163   | 101.790 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.233 | 93   | 674740   | 96.462  | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.475 | 162  | 501179   | 96.160  | ng/u1  | 97       |
| 30) Naphthalene               | 10.875 | 128  | 1483006  | 81.529  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.992 | 127  | 645246   | 88.241  | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.145 | 225  | 389513   | 113.606 | ng/u1  | 99       |
| 34) Caprolactam               | 11.792 | 113  | 130919m  | 97.925  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.110 | 107  | 500241   | 105.445 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.474 | 142  | 1026155  | 86.977  | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.692 | 142  | 1063473  | 88.154  | ng/u1 | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.839 | 216  | 715186   | 99.030  | ng/u1 | 99       |
| 40) Hexachlorocyclopentadiene | 12.810 | 237  | 503253   | 121.815 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.080 | 196  | 446129   | 101.416 | ng/u1 | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.157 | 196  | 475151   | 103.569 | ng/u1 | 98       |
| 43) 1,1'-Biphenyl             | 13.480 | 154  | 1455964  | 81.950  | ng/u1 | 97       |
| 44) 2-Chloronaphthalene       | 13.521 | 162  | 1175057  | 85.735  | ng/u1 | 98       |
| 45) 2-Nitroaniline            | 13.739 | 65   | 359039   | 108.721 | ng/u1 | 96       |
| 47) Dimethylphthalate         | 14.098 | 163  | 1423032  | 91.530  | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.227 | 165  | 297429   | 98.490  | ng/u1 | 98       |
| 50) Acenaphthylene            | 14.368 | 152  | 1789159  | 84.486  | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.557 | 138  | 251614   | 83.510  | ng/u1 | 92       |
| 52) Acenaphthene              | 14.704 | 153  | 1248434  | 85.232  | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.763 | 184  | 221415   | 149.417 | ng/u1 | 95       |
| 55) 4-Nitrophenol             | 14.868 | 109  | 248935   | 140.557 | ng/u1 | 95       |
| 56) Dibenzofuran              | 15.039 | 168  | 1723718  | 86.195  | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 15.015 | 165  | 430625   | 105.296 | ng/u1 | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.262 | 232  | 434109   | 112.488 | ng/u1 | 98       |
| 59) Diethylphthalate          | 15.457 | 149  | 1456584  | 94.045  | ng/u1 | 98       |
| 61) Fluorene                  | 15.686 | 166  | 1542824  | 94.601  | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.674 | 204  | 815144   | 102.275 | ng/u1 | 98       |
| 63) 4-Nitroaniline            | 15.721 | 138  | 231582   | 84.768  | ng/u1 | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.774 | 198  | 296059   | 116.647 | ng/u1 | 99       |
| 67) N-Nitrosodiphenylamine    | 15.892 | 169  | 1211257  | 81.887  | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.568 | 248  | 488795   | 90.933  | ng/u1 | 97       |
| 69) Hexachlorobenzene         | 16.686 | 284  | 568078   | 88.534  | ng/u1 | 98       |
| 70) Atrazine                  | 16.845 | 200  | 488459   | 96.632  | ng/u1 | 96       |
| 71) Pentachlorophenol         | 17.033 | 266  | 353735   | 99.157  | ng/u1 | 98       |
| 72) Phenanthrene              | 17.427 | 178  | 2331132  | 87.051  | ng/u1 | 99       |
| 74) Anthracene                | 17.515 | 178  | 2427009  | 89.182  | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.445 | 216  | 689407   | 86.963  | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.957 | 250  | 670930   | 85.436  | ng/uL | 99       |
| 77) Carbazole                 | 17.792 | 167  | 2057651  | 87.271  | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 2575971  | 91.915  | ng/u1 | 99       |
| 80) Fluoranthene              | 19.433 | 202  | 2901664  | 77.983  | ng/u1 | 99       |
| 82) Pyrene                    | 19.797 | 202  | 3147522  | 81.279  | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.680 | 149  | 1193441  | 82.880  | ng/u1 | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.468 | 252  | 932929   | 89.827  | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 3122494  | 88.369  | ng/u1 | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.444 | 149  | 1838988  | 87.787  | ng/u1 | 98       |
| 87) Chrysene                  | 21.591 | 228  | 2959863  | 89.279  | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 3122473  | 88.493  | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.244 | 252  | 3086065  | 90.396  | ng/u1 | 98       |
| 91) Benzo(k)fluoranthene      | 23.297 | 252  | 3127006  | 94.510  | ng/u1 | 100      |
| 93) Benzo(a)pyrene            | 23.885 | 252  | 2744560  | 91.420  | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.550 | 276  | 3547735  | 91.757  | ng/u1 | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.562 | 278  | 2974916  | 91.269  | ng/u1 | 100      |
| 96) Benzo(g,h,i)perylene      | 27.332 | 276  | 2820075  | 91.353  | ng/u1 | 98       |

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

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 Data File : BM038336.D  
 Acq On : 28 Dec 2022 19:35  
 Operator : CG/JU  
 Sample : SST080013  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD080016

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