

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042899.D  
 Acq On : 19 Nov 2023 10:48  
 Operator : MA/JU  
 Sample : 05370-11MS  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GCDQ6MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023

Quant Time: Nov 19 22:05:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 22:06:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 21933    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.622 | 136  | 87140    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.469 | 164  | 57262    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 128955   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.409 | 240  | 151944   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.768 | 264  | 160355   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 4359     | 6.236  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.611  | 84   | 29381    | 16.898 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.981  | 99   | 18339    | 8.591  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.157  | 67   | 80816    | 53.879 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.334  | 132  | 59592    | 36.180 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.534  | 113  | 36293    | 21.593 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.010  | 128  | 37073    | 48.525 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.722  | 143  | 41133    | 46.023 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.246 | 165  | 76080    | 45.781 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.798 | 131  | 85245    | 40.401 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.892 | 166  | 291717   | 53.828 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.169 | 160  | 303205   | 52.289 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 23071    | 37.680 | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.463 | 176  | 246892   | 55.015 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 200  | 51452    | 52.674 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.322 | 188  | 412455   | 57.071 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.621 | 212  | 554258   | 55.705 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.609 | 264  | 590347   | 61.547 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.205  | 88   | 5855     | 7.866  | ng/uL  | 88       |
| 5) Pyridine                   | 3.628  | 79   | 35391    | 18.719 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.975  | 77   | 67271    | 54.927 | ng/u1  | 93       |
| 8) Phenol                     | 7.005  | 94   | 19749    | 9.301  | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.252  | 93   | 88331    | 50.362 | ng/u1  | 89       |
| 12) 2-Chlorophenol            | 7.363  | 128  | 60379    | 36.835 | ng/u1# | 87       |
| 13) 2-Methylphenol            | 8.263  | 108  | 41190    | 26.014 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 179217m  | 56.131 | ng/u1  |          |
| 16) Acetophenone              | 8.663  | 105  | 136056   | 48.142 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.628  | 70   | 87002    | 50.570 | ng/u1  | 91       |
| 18) 4-Methylphenol            | 8.599  | 108  | 38763    | 22.518 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.863  | 117  | 40255    | 44.061 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.057  | 77   | 122766   | 53.166 | ng/u1  | 96       |
| 23) Isophorone                | 9.563  | 82   | 233745   | 50.825 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.751  | 139  | 43379    | 47.772 | ng/u1  | 87       |
| 26) 2,4-Dimethylphenol        | 9.798  | 107  | 61972    | 31.898 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.051 | 93   | 122240   | 52.600 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.275 | 162  | 73281    | 46.575 | ng/u1  | 97       |
| 30) Naphthalene               | 10.675 | 128  | 261765   | 47.949 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.822 | 127  | 79293    | 39.171 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 10.893 | 225  | 64748    | 46.587 | ng/u1  | 95       |
| 34) Caprolactam               | 11.663 | 113  | 2480m    | 5.316  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.928 | 107  | 70224    | 41.653 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.287 | 142  | 183446   | 50.138 | ng/u1  | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042899.D  
 Acq On : 19 Nov 2023 10:48  
 Operator : MA/JU  
 Sample : 05370-11MS  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GCDQ6MS

Quant Time: Nov 19 22:05:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 22:06:09 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.504 | 142  | 185848   | 48.311 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.639 | 216  | 121179   | 53.960 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.575 | 237  | 39166    | 36.838 | ng/ul  | 91       |
| 41) 2,4,6-Trichlorophenol     | 12.898 | 196  | 71531    | 52.146 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 73921    | 55.808 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.304 | 154  | 256017   | 53.611 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.351 | 162  | 201607   | 52.478 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.598 | 65   | 78448    | 62.614 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 13.939 | 163  | 296348   | 56.142 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.092 | 165  | 56016    | 56.486 | ng/ul  | 88       |
| 50) Acenaphthylene            | 14.198 | 152  | 352921   | 54.318 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.433 | 138  | 40094    | 49.443 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.533 | 153  | 240138   | 54.649 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.645 | 184  | 22260    | 45.144 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 16358m   | 16.977 | ng/ul  |          |
| 56) Dibenzofuran              | 14.869 | 168  | 345179   | 56.596 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.875 | 165  | 87015    | 59.768 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 76886    | 55.919 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.286 | 149  | 316989   | 57.268 | ng/ul  | 99       |
| 61) Fluorene                  | 15.516 | 166  | 311660   | 60.188 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 172561   | 61.836 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.604 | 138  | 42216    | 57.104 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.628 | 198  | 55772    | 56.083 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 236525   | 58.480 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.410 | 248  | 101556   | 59.165 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.486 | 284  | 123690   | 58.945 | ng/ul  | 99       |
| 70) Atrazine                  | 16.692 | 200  | 90021    | 57.783 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.857 | 266  | 62950    | 52.096 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.263 | 178  | 488482   | 60.635 | ng/ul  | 98       |
| 74) Anthracene                | 17.357 | 178  | 481190   | 59.382 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.257 | 216  | 121980   | 53.494 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.763 | 250  | 137751   | 57.575 | ng/uL  | 99       |
| 77) Carbazole                 | 17.651 | 167  | 403292   | 60.273 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.169 | 149  | 586614   | 59.955 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.280 | 202  | 638388   | 56.271 | ng/ul  | 97       |
| 82) Pyrene                    | 19.651 | 202  | 690901   | 57.436 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 274311   | 53.390 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 197979   | 50.910 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 726521   | 60.911 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 429826   | 55.139 | ng/ul  | 98       |
| 87) Chrysene                  | 21.445 | 228  | 668134   | 57.759 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.186 | 149  | 747828   | 57.733 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.039 | 252  | 714962   | 65.333 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.086 | 252  | 759937   | 65.235 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.662 | 252  | 681282   | 63.889 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.227 | 276  | 865958   | 65.342 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.239 | 278  | 720864   | 65.609 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.986 | 276  | 663416   | 63.040 | ng/ul  | 99       |

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

