

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081622\  
 Data File : BM036297.D  
 Acq On : 16 Aug 2022 12:26  
 Operator : CG/JU  
 Sample : SSTD02062  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020014

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 08/17/2022  
 Supervised By :Sohil Jodhani 08/18/2022

Quant Time: Aug 16 14:08:44 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 16 14:05:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 215491   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.604 | 136  | 909549   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.445 | 164  | 506559   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 959419   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 889556   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.703 | 264  | 913717   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.210  | 96   | 43379    | 7.575  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 287153   | 18.303 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.987  | 99   | 338446   | 18.729 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 217343   | 18.041 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.334  | 132  | 276884   | 18.459 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 253268   | 17.300 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.975  | 128  | 131287   | 18.216 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.692  | 143  | 131953   | 18.792 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.233 | 165  | 240367   | 18.926 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.757 | 131  | 357571   | 16.631 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.868 | 166  | 603346   | 17.485 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.139 | 160  | 768004   | 17.444 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.680 | 143  | 103260   | 14.573 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 554497   | 17.783 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.568 | 200  | 79924    | 15.498 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 810448   | 18.684 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.580 | 212  | 869204   | 17.631 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.550 | 264  | 856715   | 18.468 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 46480    | 7.832  | ng/uL  | 95       |
| 5) Pyridine                   | 3.657  | 79   | 302829   | 18.394 | ng/u1  | 89       |
| 6) Benzaldehyde               | 6.951  | 77   | 155589   | 20.514 | ng/u1  | 94       |
| 8) Phenol                     | 7.016  | 94   | 355959   | 18.000 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 289074   | 18.182 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.369  | 128  | 290622   | 18.887 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.263  | 108  | 260899   | 17.660 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.339  | 45   | 383516   | 18.275 | ng/u1  | 98       |
| 16) Acetophenone              | 8.634  | 105  | 413818   | 17.606 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.622  | 70   | 210516   | 17.960 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.592  | 108  | 280579   | 17.703 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.875  | 117  | 120771   | 19.023 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.016  | 77   | 315716   | 19.142 | ng/u1  | 98       |
| 23) Isophorone                | 9.539  | 82   | 547482   | 17.585 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.728  | 139  | 147719   | 18.962 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.792  | 107  | 298289   | 18.739 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93   | 361538   | 18.412 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 244612   | 18.557 | ng/u1  | 98       |
| 30) Naphthalene               | 10.651 | 128  | 917536   | 19.112 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.780 | 127  | 365766   | 17.126 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.933 | 225  | 152150   | 18.697 | ng/u1  | 96       |
| 34) Caprolactam               | 11.569 | 113  | 66161    | 15.187 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 11.916 | 107  | 245905   | 17.941 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.269 | 142  | 568349   | 18.095 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.486 | 142  | 574120   | 18.134 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 266731   | 18.498 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 137906   | 14.360 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.886 | 196  | 167320   | 18.132 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.963 | 196  | 177299   | 18.007 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.286 | 154  | 729905   | 18.720 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.321 | 162  | 562670   | 18.804 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.545 | 65   | 152929   | 18.538 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.916 | 163  | 623462   | 17.963 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.039 | 165  | 118084   | 17.136 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.168 | 152  | 911194   | 18.710 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.368 | 138  | 117709   | 15.456 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.510 | 153  | 587184   | 18.584 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.586 | 184  | 46574    | 11.904 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 81173    | 14.978 | ng/ul  | 85       |
| 56) Dibenzofuran              | 14.845 | 168  | 817709   | 18.705 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.821 | 165  | 169790   | 17.480 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.074 | 232  | 135037   | 17.455 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.274 | 149  | 612937   | 17.459 | ng/ul  | 99       |
| 61) Fluorene                  | 15.492 | 166  | 649882   | 18.198 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 299284   | 17.491 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.533 | 138  | 115632m  | 16.493 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 82849    | 16.054 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.710 | 169  | 523771   | 18.570 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.386 | 248  | 165558   | 17.602 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.492 | 284  | 201412   | 17.575 | ng/ul  | 96       |
| 70) Atrazine                  | 16.662 | 200  | 168740   | 17.248 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.851 | 266  | 94349    | 13.476 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.233 | 178  | 959519   | 18.660 | ng/ul  | 98       |
| 74) Anthracene                | 17.321 | 178  | 961735   | 18.639 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.245 | 216  | 275156   | 18.442 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 253575   | 18.749 | ng/uL  | 100      |
| 77) Carbazole                 | 17.604 | 167  | 883142   | 18.531 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.162 | 149  | 958399   | 17.824 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.250 | 202  | 1050591  | 17.836 | ng/ul  | 97       |
| 82) Pyrene                    | 19.609 | 202  | 1096174  | 18.055 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.515 | 149  | 400765   | 18.149 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.297 | 252  | 347664   | 21.179 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 1019927  | 18.216 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.292 | 149  | 556913   | 17.454 | ng/ul  | 99       |
| 87) Chrysene                  | 21.409 | 228  | 1001880  | 18.339 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.191 | 149  | 949942   | 16.099 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.997 | 252  | 1049130  | 17.205 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.038 | 252  | 1023985  | 17.696 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.603 | 252  | 1048730  | 18.056 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 1226482  | 19.811 | ng/ul  | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.132 | 278  | 1057966  | 19.918 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.862 | 276  | 1051587  | 20.497 | ng/ul  | 96       |

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

