

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120921\  
 Data File : BM033353.D  
 Acq On : 09 Dec 2021 11:29  
 Operator : CG/JU  
 Sample : SST04014  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040014

Quant Time: Dec 09 13:12:51 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM120921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 09 13:01:40 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021  
 Supervised By :mohammad ahmed 12/15/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.913  | 152  | 41730    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.707 | 136  | 172586   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.536 | 164  | 121109   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 265661   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.436 | 240  | 272191   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.759 | 264  | 261373   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.367  | 96   | 17340m   | 16.019 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.784  | 84   | 122996   | 41.251 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.084  | 99   | 153753   | 43.559 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.243  | 67   | 99993    | 44.662 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.443  | 132  | 112855   | 42.212 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.619  | 113  | 121185   | 44.238 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.072  | 128  | 58449    | 47.170 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.790  | 143  | 62750    | 50.565 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.331 | 165  | 118425   | 41.672 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.848 | 131  | 161903   | 42.839 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.948 | 166  | 369777   | 41.626 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.231 | 160  | 469730   | 41.045 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.748 | 143  | 67058    | 46.343 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.525 | 176  | 333876   | 41.898 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.648 | 200  | 65801    | 52.704 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.372 | 188  | 546427   | 42.670 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.660 | 212  | 636586   | 39.576 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.612 | 264  | 591526   | 42.169 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.402  | 88   | 18332    | 16.680 | ng/uL  | 97       |
| 5) Pyridine                   | 3.802  | 79   | 126769   | 41.665 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.060  | 77   | 105491   | 52.438 | ng/u1  | 98       |
| 8) Phenol                     | 7.107  | 94   | 159175   | 45.283 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.337  | 93   | 118080   | 42.288 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.478  | 128  | 115112   | 41.715 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.354  | 108  | 114994   | 42.706 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.437  | 45   | 203304   | 47.142 | ng/u1  | 99       |
| 16) Acetophenone              | 8.737  | 105  | 201708   | 46.650 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.719  | 70   | 114567   | 49.177 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.684  | 108  | 126269   | 44.732 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.984  | 117  | 57263    | 45.552 | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.119  | 77   | 170819   | 49.398 | ng/u1  | 98       |
| 23) Isophorone                | 9.643  | 82   | 297578   | 47.081 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.825  | 139  | 64946    | 49.374 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.884  | 107  | 154051   | 44.574 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.119 | 93   | 164657   | 43.777 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.360 | 162  | 119023   | 43.192 | ng/u1  | 97       |
| 30) Naphthalene               | 10.754 | 128  | 397889   | 43.355 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.872 | 127  | 163191   | 42.744 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 83365    | 38.837 | ng/u1  | 94       |
| 34) Caprolactam               | 11.654 | 113  | 37479m   | 47.307 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.990 | 107  | 142547   | 47.504 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.360 | 142  | 272869   | 42.912 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.584 | 142  | 280676   | 43.239 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216  | 148463   | 36.846 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.701 | 237  | 95317    | 33.619 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.972 | 196  | 91957    | 38.751 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.048 | 196  | 100235   | 39.392 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.372 | 154  | 379199   | 40.186 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.413 | 162  | 289519   | 39.786 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.625 | 65   | 111844   | 58.312 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.989 | 163  | 367596   | 42.457 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.119 | 165  | 74159    | 50.062 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.260 | 152  | 487065   | 41.941 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.448 | 138  | 73671    | 49.358 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.601 | 153  | 317686   | 41.935 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.654 | 184  | 40788    | 53.946 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.760 | 109  | 73496    | 49.730 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.936 | 168  | 460345   | 41.460 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.901 | 165  | 111040   | 54.504 | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.160 | 232  | 84781    | 40.819 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.354 | 149  | 387868   | 44.727 | ng/ul  | 99       |
| 61) Fluorene                  | 15.583 | 166  | 378499   | 42.887 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.572 | 204  | 187051   | 40.607 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.613 | 138  | 81788    | 55.727 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.660 | 198  | 64642    | 51.658 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.789 | 169  | 324111   | 41.481 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.466 | 248  | 109498   | 37.064 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.577 | 284  | 124257   | 36.714 | ng/ul  | 97       |
| 70) Atrazine                  | 16.736 | 200  | 126044   | 41.747 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.924 | 266  | 69706    | 35.631 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.319 | 178  | 614337   | 41.747 | ng/ul  | 99       |
| 74) Anthracene                | 17.407 | 178  | 636806   | 43.152 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.336 | 216  | 152966   | 35.055 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 14.848 | 250  | 151208   | 35.346 | ng/uL  | 99       |
| 77) Carbazole                 | 17.683 | 167  | 567321   | 43.274 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.230 | 149  | 677288   | 47.246 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.324 | 202  | 753013   | 39.961 | ng/ul  | 99       |
| 82) Pyrene                    | 19.689 | 202  | 775332   | 40.523 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.571 | 149  | 316838   | 48.469 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.354 | 252  | 260633   | 42.503 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.418 | 228  | 733215   | 41.648 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.342 | 149  | 449329   | 48.494 | ng/ul  | 98       |
| 87) Chrysene                  | 21.471 | 228  | 700388   | 40.738 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.242 | 149  | 778040   | 48.854 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.054 | 252  | 721286   | 40.974 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.101 | 252  | 689647   | 42.767 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.659 | 252  | 701680   | 42.178 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.136 | 276  | 748886   | 40.424 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.147 | 278  | 648110   | 40.892 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.871 | 276  | 643215   | 40.002 | ng/ul  | 97       |

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

