

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120921\  
 Data File : BM033368.D  
 Acq On : 09 Dec 2021 21:36  
 Operator : CG/JU  
 Sample : PB141265BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS265

Quant Time: Dec 10 01:16:05 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM120921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 09 13:25:37 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     | 7.907  | 152  | 43352    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.701 | 136  | 184578   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.536 | 164  | 127293   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.271 | 188  | 275152   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.436 | 240  | 284358   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.759 | 264  | 263706   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.366  | 96   | 6903m    | 5.984  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.784  | 84   | 87908    | 26.282 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.078  | 99   | 116233   | 28.314 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.243  | 67   | 76855    | 28.597 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.443  | 132  | 84699    | 29.469 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.619  | 113  | 92137    | 28.675 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.072  | 128  | 44471    | 29.693 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.789  | 143  | 46786    | 30.448 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.331 | 165  | 89748    | 30.906 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.842 | 131  | 127047   | 29.509 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.942 | 166  | 290373   | 30.530 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.230 | 160  | 360008   | 30.534 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.742 | 143  | 51587    | 29.873 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.524 | 176  | 261714   | 30.763 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.642 | 200  | 48294    | 29.080 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.371 | 188  | 418518   | 30.777 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.654 | 212  | 499333   | 31.419 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.612 | 264  | 453047   | 31.696 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.402  | 88   | 13635    | 10.619 | ng/uL  | 95       |
| 5) Pyridine                   | 3.802  | 79   | 89361m   | 25.940 | ng/u1  |          |
| 6) Benzaldehyde               | 7.054  | 77   | 79683    | 34.841 | ng/u1  | 93       |
| 8) Phenol                     | 7.107  | 94   | 115070   | 27.213 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.337  | 93   | 87803    | 27.602 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.478  | 128  | 86044    | 28.951 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.354  | 108  | 84220    | 27.472 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.437  | 45   | 148828   | 27.114 | ng/u1  | 98       |
| 16) Acetophenone              | 8.737  | 105  | 146428   | 27.510 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.713  | 70   | 85393    | 29.350 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.678  | 108  | 90727    | 27.049 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.984  | 117  | 41862    | 27.880 | ng/u1  | 86       |
| 22) Nitrobenzene              | 9.113  | 77   | 126319   | 28.808 | ng/u1  | 98       |
| 23) Isophorone                | 9.636  | 82   | 218156   | 29.055 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.819  | 139  | 48117    | 29.537 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.878  | 107  | 107214   | 27.144 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.113 | 93   | 120630   | 28.566 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.354 | 162  | 86511    | 29.430 | ng/u1  | 93       |
| 30) Naphthalene               | 10.754 | 128  | 289063   | 28.103 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.866 | 127  | 108951   | 25.178 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 61830    | 28.735 | ng/u1  | 98       |
| 34) Caprolactam               | 11.648 | 113  | 28382m   | 28.630 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.989 | 107  | 105814   | 30.666 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.360 | 142  | 198701   | 28.485 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.577 | 142  | 204118   | 28.157 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216  | 106683   | 27.816 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.695 | 237  | 79477    | 31.751 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.972 | 196  | 68452    | 30.322 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.048 | 196  | 74660    | 30.527 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.366 | 154  | 276638   | 28.407 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.413 | 162  | 212374   | 28.345 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.619 | 65   | 84234    | 31.524 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.989 | 163  | 273870   | 29.001 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.113 | 165  | 55774    | 30.553 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.254 | 152  | 357023   | 29.083 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.448 | 138  | 53280    | 29.652 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.595 | 153  | 233023   | 28.601 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.654 | 184  | 30759    | 28.672 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.760 | 109  | 56138    | 30.077 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.930 | 168  | 340388   | 28.811 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.901 | 165  | 84690    | 31.580 | ng/ul# | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.160 | 232  | 63557    | 30.570 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.348 | 149  | 287860   | 29.370 | ng/ul  | 100      |
| 61) Fluorene                  | 15.577 | 166  | 287734   | 29.619 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.571 | 204  | 142362   | 29.378 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.607 | 138  | 62677    | 33.968 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.654 | 198  | 46875    | 28.335 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.789 | 169  | 239147   | 29.560 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.465 | 248  | 83730    | 30.212 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.571 | 284  | 91171    | 28.552 | ng/ul  | 96       |
| 70) Atrazine                  | 16.736 | 200  | 89643    | 27.925 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.924 | 266  | 57779    | 32.269 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.312 | 178  | 466702   | 29.402 | ng/ul  | 98       |
| 74) Anthracene                | 17.407 | 178  | 471112   | 29.274 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.330 | 216  | 111090   | 27.994 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.848 | 250  | 108466   | 27.678 | ng/uL  | 95       |
| 77) Carbazole                 | 17.677 | 167  | 421031   | 28.946 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.230 | 149  | 503197   | 30.831 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.324 | 202  | 555654   | 29.662 | ng/ul  | 98       |
| 82) Pyrene                    | 19.683 | 202  | 589359   | 30.052 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.571 | 149  | 231717   | 30.846 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.353 | 252  | 169384   | 26.208 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.418 | 228  | 552094   | 29.551 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.336 | 149  | 334774   | 31.007 | ng/ul  | 98       |
| 87) Chrysene                  | 21.471 | 228  | 533413   | 29.050 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.242 | 149  | 573347   | 29.654 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.053 | 252  | 552278   | 30.567 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.100 | 252  | 508446   | 30.393 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.659 | 252  | 525122   | 30.290 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.130 | 276  | 547607   | 29.045 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.141 | 278  | 481101   | 29.336 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.853 | 276  | 471114   | 29.296 | ng/ul  | 98       |

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

