

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100924\  
 Data File : BM047968.D  
 Acq On : 10 Oct 2024 07:13  
 Operator : RC/JU  
 Sample : P4215-06MSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EY075MSD

Quant Time: Oct 10 07:49:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/10/2024  
 Supervised By :mohammad ahmed 10/11/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 276149   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.581 | 136  | 1089477  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.422 | 164  | 660850   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.163 | 188  | 1358219  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.386 | 240  | 1385614  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.374 | 264  | 1589368  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 28122    | 3.291  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.658  | 84   | 189476   | 7.573  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.957  | 99   | 186767   | 7.152  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 371268   | 20.036 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 466098   | 24.533 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.498  | 113  | 320066   | 16.486 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.940  | 128  | 244232   | 28.155 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.663  | 143  | 256532   | 30.860 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 474056   | 28.547 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 584308   | 22.760 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.833 | 166  | 1373797  | 28.673 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 1540029  | 27.110 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143  | 83184    | 8.720  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.416 | 176  | 1195902  | 28.817 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200  | 244276   | 30.734 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.263 | 188  | 1945592  | 29.132 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 2365954  | 30.086 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.168 | 264  | 2569052  | 31.154 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.275  | 88   | 113631   | 12.174 | ng/uL  | 92       |
| 5) Pyridine                   | 3.681  | 79   | 204779   | 7.774  | ng/u1  | 90       |
| 6) Benzaldehyde               | 6.928  | 77   | 333069m  | 23.454 | ng/u1  |          |
| 8) Phenol                     | 6.987  | 94   | 204885   | 7.374  | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.210  | 93   | 488933   | 22.084 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.351  | 128  | 473424   | 23.522 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.234  | 108  | 365110   | 18.845 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.304  | 45   | 723982   | 17.371 | ng/u1  | 96       |
| 16) Acetophenone              | 8.604  | 105  | 759350   | 22.858 | ng/u1# | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.593  | 70   | 370411   | 21.052 | ng/u1  | 91       |
| 18) 4-Methylphenol            | 8.557  | 108  | 349832   | 16.068 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.869  | 117  | 196574   | 21.729 | ng/u1  | 88       |
| 22) Nitrobenzene              | 8.981  | 77   | 562595   | 22.831 | ng/u1  | 91       |
| 23) Isophorone                | 9.510  | 82   | 1013796  | 22.999 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.692  | 139  | 280216   | 29.466 | ng/u1  | 90       |
| 26) 2,4-Dimethylphenol        | 9.757  | 107  | 391103   | 19.193 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 9.992  | 93   | 620073   | 22.999 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 470210   | 27.422 | ng/u1  | 98       |
| 30) Naphthalene               | 10.628 | 128  | 1578358  | 25.186 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.734 | 127  | 501557   | 19.841 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.916 | 225  | 283995   | 25.067 | ng/u1  | 99       |
| 34) Caprolactam               | 11.516 | 113  | 27127m   | 4.947  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.863 | 107  | 463458   | 26.111 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.239 | 142  | 1035393  | 26.003 | ng/u1  | 97       |

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## Instrument :

BNA\_M

## ClientSampleId :

EY075MSD

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 10/10/2024  
 Supervised By :mohammad ahmed 10/11/2024

Quant Time: Oct 10 07:49:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Oct 10 05:10:14 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.463 | 142  | 1032958  | 25.498 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.610 | 216  | 546584   | 25.408 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.592 | 237  | 241009   | 18.523 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.851 | 196  | 367068   | 29.491 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.922 | 196  | 405120   | 29.764 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.257 | 154  | 1350919  | 25.532 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.298 | 162  | 1063683  | 25.993 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.498 | 65   | 334108   | 25.719 | ng/ul# | 82       |
| 47) Dimethylphthalate         | 13.880 | 163  | 1344139  | 27.701 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.998 | 165  | 274385   | 32.199 | ng/ul# | 83       |
| 50) Acenaphthylene            | 14.145 | 152  | 1723622  | 26.904 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.327 | 138  | 314734   | 30.516 | ng/ul  | 86       |
| 52) Acenaphthene              | 14.486 | 153  | 1166786  | 25.764 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.533 | 184  | 163667   | 31.082 | ng/ul# | 75       |
| 55) 4-Nitrophenol             | 14.633 | 109  | 60806    | 7.592  | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.822 | 168  | 1636942  | 26.853 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.786 | 165  | 417777   | 32.642 | ng/ul# | 80       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.045 | 232  | 345692   | 32.221 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.245 | 149  | 1347187  | 27.749 | ng/ul  | 98       |
| 61) Fluorene                  | 15.469 | 166  | 1365077  | 26.841 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.463 | 204  | 644496   | 26.818 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.486 | 138  | 353849   | 35.326 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 260142   | 29.538 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.674 | 169  | 1144295  | 27.037 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.357 | 248  | 398995   | 28.499 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.474 | 284  | 478066   | 29.343 | ng/ul  | 91       |
| 70) Atrazine                  | 16.627 | 200  | 291581   | 20.696 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.816 | 266  | 308122   | 29.741 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.204 | 178  | 2222842  | 27.907 | ng/ul  | 99       |
| 74) Anthracene                | 17.292 | 178  | 2245224  | 27.637 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.222 | 216  | 538809   | 23.960 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.745 | 250  | 537371   | 24.481 | ng/uL  | 98       |
| 77) Carbazole                 | 17.563 | 167  | 2163130  | 29.376 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.121 | 149  | 2379386  | 29.024 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.215 | 202  | 2666278  | 28.788 | ng/ul  | 98       |
| 82) Pyrene                    | 19.574 | 202  | 2889045  | 28.026 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.468 | 149  | 1142864  | 31.360 | ng/ul  | 87       |
| 84) 3,3'-Dichlorobenzidine    | 21.292 | 252  | 778824   | 26.601 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.368 | 228  | 2866839  | 29.550 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 1601018  | 29.260 | ng/ul  | 97       |
| 87) Chrysene                  | 21.427 | 228  | 2709974  | 28.653 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.409 | 149  | 2840018  | 27.703 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.427 | 252  | 2880288  | 29.059 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.492 | 252  | 2960142  | 29.207 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.239 | 252  | 2663330  | 28.293 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.750 | 276  | 3524434  | 29.216 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.803 | 278  | 2890857  | 29.242 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.803 | 276  | 2764779  | 29.252 | ng/ul  | 97       |

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

