

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022824\  
 Data File : BM044459.D  
 Acq On : 01 Mar 2024 03:38  
 Operator : MA/JU  
 Sample : P1501-04MSD  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E10A0MSD

Quant Time: Mar 01 04:28:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 01 01:46:17 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024  
 Supervised By :mohammad ahmed 03/02/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.993  | 152  | 208411   | 20.000 | ng/u1  | 0.01     |
| 20) Naphthalene-d8            | 10.804 | 136  | 899065   | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.627 | 164  | 530141   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.380 | 188  | 1062041  | 20.000 | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.568 | 240  | 888956   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.009 | 264  | 956867   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.387  | 96   | 27784    | 4.206  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.810  | 84   | 223389   | 12.383 | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 7.157  | 99   | 160463   | 8.037  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.334  | 67   | 517501   | 40.027 | ng/u1  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.516  | 132  | 488821   | 32.508 | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.710  | 113  | 291438   | 19.292 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.169  | 128  | 330079   | 45.154 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.886  | 143  | 340589   | 45.667 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.428 | 165  | 540350   | 41.072 | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.951 | 131  | 767734   | 34.746 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 14.057 | 166  | 1889668  | 46.217 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 14.327 | 160  | 2122362  | 45.116 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.839 | 143  | 69136    | 8.498  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.621 | 176  | 1609966  | 46.522 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 323460   | 49.085 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.480 | 188  | 2535136  | 50.062 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.768 | 212  | 2828647  | 52.891 | ng/u1  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.850 | 264  | 2594573  | 52.917 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.422  | 88   | 36427    | 5.232  | ng/uL  | 94       |
| 5) Pyridine                   | 3.828  | 79   | 234605   | 12.431 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.134  | 77   | 407536m  | 47.025 | ng/u1  |          |
| 8) Phenol                     | 7.181  | 94   | 169884   | 8.186  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.428  | 93   | 673233   | 38.757 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.551  | 128  | 488524   | 31.403 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.440  | 108  | 345614   | 22.605 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.528  | 45   | 902182   | 37.987 | ng/u1  | 97       |
| 16) Acetophenone              | 8.828  | 105  | 987909   | 40.933 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.816  | 70   | 504238   | 41.707 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.775  | 108  | 318240   | 19.540 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.063  | 117  | 261022   | 39.551 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.210  | 77   | 747085   | 42.258 | ng/u1  | 99       |
| 23) Isophorone                | 9.739  | 82   | 1428139  | 41.682 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.922  | 139  | 349144   | 42.210 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.981  | 107  | 394210   | 24.959 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.234 | 93   | 911678   | 40.930 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 511310   | 38.402 | ng/u1  | 99       |
| 30) Naphthalene               | 10.857 | 128  | 2089519  | 40.865 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.975 | 127  | 610569   | 28.358 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.128 | 225  | 331165   | 41.284 | ng/u1  | 98       |
| 34) Caprolactam               | 11.775 | 113  | 23066    | 5.012  | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 12.092 | 107  | 517334   | 36.470 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.463 | 142  | 1370440  | 42.078 | ng/u1  | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022824\  
 Data File : BM044459.D  
 Acq On : 01 Mar 2024 03:38  
 Operator : MA/JU  
 Sample : P1501-04MSD  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E10A0MSD

Quant Time: Mar 01 04:28:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 01 01:46:17 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024  
 Supervised By :mohammad ahmed 03/02/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.680 | 142  | 1343064  | 41.715 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.828 | 216  | 646975   | 41.225 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.798 | 237  | 297629   | 28.188 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.069 | 196  | 422949   | 42.280 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.139 | 196  | 465617   | 43.057 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.475 | 154  | 1733199  | 40.158 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.516 | 162  | 1385437  | 40.996 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.727 | 65   | 446386   | 47.709 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.104 | 163  | 1849350  | 44.255 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.227 | 165  | 388537   | 49.717 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.357 | 152  | 2320721  | 41.650 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.551 | 138  | 379513   | 46.032 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.698 | 153  | 1523028  | 41.404 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.757 | 184  | 196145   | 40.448 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 48381    | 8.656  | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.033 | 168  | 2076011  | 42.041 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.010 | 165  | 564473   | 50.277 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 397881   | 45.718 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.469 | 149  | 1984992  | 46.147 | ng/ul  | 99       |
| 61) Fluorene                  | 15.680 | 166  | 1728003  | 43.569 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.680 | 204  | 817772   | 43.751 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.716 | 138  | 402386m  | 50.462 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.768 | 198  | 323923   | 44.935 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.898 | 169  | 1511787  | 46.973 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.574 | 248  | 511452   | 48.469 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.674 | 284  | 580745   | 48.085 | ng/ul  | 96       |
| 70) Atrazine                  | 16.857 | 200  | 352326   | 33.419 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.021 | 266  | 345317   | 43.386 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.421 | 178  | 2856323  | 46.882 | ng/ul  | 99       |
| 74) Anthracene                | 17.510 | 178  | 2889524  | 47.105 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.433 | 216  | 642637   | 43.227 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.945 | 250  | 630653   | 44.436 | ng/ul  | 96       |
| 77) Carbazole                 | 17.792 | 167  | 2720640  | 47.168 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.362 | 149  | 3746023  | 51.294 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.433 | 202  | 3238226  | 50.486 | ng/ul  | 99       |
| 82) Pyrene                    | 19.798 | 202  | 3355558  | 49.885 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.715 | 149  | 1715211  | 56.770 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.492 | 252  | 880261   | 44.270 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.550 | 228  | 3251111  | 49.037 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.498 | 149  | 2578663  | 55.747 | ng/ul# | 100      |
| 87) Chrysene                  | 21.603 | 228  | 2994250  | 48.045 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.445 | 149  | 4506714  | 54.971 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.262 | 252  | 3199061  | 52.150 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.315 | 252  | 3045377  | 48.336 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.903 | 252  | 2924815  | 49.453 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.580 | 276  | 3491593  | 48.819 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.609 | 278  | 2924134  | 48.925 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.368 | 276  | 2819305  | 48.731 | ng/ul  | 98       |

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

