

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072523\  
 Data File : BP016349.D  
 Acq On : 25 Jul 2023 16:33  
 Operator : MA/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SICV610

Quant Time: Jul 25 23:59:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP072523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 25 23:56:16 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/26/2023  
 Supervised By :mohammad ahmed 07/26/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.099  | 152  | 421813   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.934 | 136  | 1831944  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.740 | 164  | 1162951  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.504 | 188  | 2591048  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.598 | 240  | 2417109  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.198 | 264  | 2651476  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96   | 74872    | 6.999  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.852  | 84   | 587352   | 19.351 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.222  | 99   | 689043   | 19.521 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.434  | 67   | 440893   | 20.804 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 517745   | 18.801 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 530021   | 18.671 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.293  | 128  | 237694   | 21.071 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.010 | 143  | 211668   | 22.751 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.534 | 165  | 509913   | 19.773 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.081 | 131  | 752231   | 18.750 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.157 | 166  | 1572125  | 18.471 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.440 | 160  | 1824848  | 18.148 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.922 | 143  | 271885   | 19.065 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.734 | 176  | 1326272  | 18.317 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.845 | 200  | 144073   | 16.882 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.604 | 188  | 2082734  | 18.146 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.828 | 212  | 2364652  | 17.229 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.027 | 264  | 2259564  | 17.663 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.464  | 88   | 78739    | 6.941  | ng/uL  | 99       |
| 5) Pyridine                   | 3.875  | 79   | 496047   | 16.063 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.246  | 77   | 454124   | 23.582 | ng/u1  | 99       |
| 8) Phenol                     | 7.252  | 94   | 647160   | 17.630 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.528  | 93   | 521199   | 17.332 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 502618   | 17.752 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.522  | 108  | 489999   | 17.409 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.634  | 45   | 611294m  | 16.800 | ng/u1  |          |
| 16) Acetophenone              | 8.946  | 105  | 868671   | 19.390 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.916  | 70   | 418447   | 17.937 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.858  | 108  | 528818   | 17.584 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.175  | 117  | 207253   | 17.496 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.334  | 77   | 569676   | 18.863 | ng/u1  | 98       |
| 23) Isophorone                | 9.846  | 82   | 1166694  | 17.151 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.040 | 139  | 239232   | 20.608 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.075 | 107  | 513708   | 15.651 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.340 | 93   | 702446   | 17.128 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.557 | 162  | 475860   | 18.253 | ng/u1  | 99       |
| 30) Naphthalene               | 10.981 | 128  | 1629677  | 17.176 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.105 | 127  | 706422   | 17.961 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.222 | 225  | 290658   | 16.964 | ng/u1  | 99       |
| 34) Caprolactam               | 11.893 | 113  | 179839   | 19.366 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.187 | 107  | 527741   | 18.288 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.581 | 142  | 1116374  | 17.265 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.799 | 142  | 1093878  | 16.920 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.922 | 216  | 607172   | 17.672 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.881 | 237  | 417448   | 17.020 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.169 | 196  | 363236   | 17.944 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.234 | 196  | 400803   | 18.501 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.581 | 154  | 1563684  | 17.807 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.628 | 162  | 1151138  | 16.757 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.846 | 65   | 294552   | 20.493 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.204 | 163  | 1453772  | 16.937 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.334 | 165  | 292469   | 23.645 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.469 | 152  | 1934343  | 16.885 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.669 | 138  | 320586   | 22.155 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.804 | 153  | 1214532  | 16.442 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.863 | 184  | 77497    | 14.649 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.940 | 109  | 214555   | 18.664 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.140 | 168  | 1749262  | 17.299 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.110 | 165  | 371205   | 21.050 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 342560   | 19.821 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.557 | 149  | 1475889  | 17.072 | ng/ul  | 99       |
| 61) Fluorene                  | 15.793 | 166  | 1414641  | 17.223 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.787 | 204  | 684657   | 17.098 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.834 | 138  | 315572   | 23.783 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.863 | 198  | 158362   | 15.521 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.004 | 169  | 1249918  | 17.205 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.687 | 248  | 409756   | 16.675 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.763 | 284  | 475772   | 16.146 | ng/ul  | 99       |
| 70) Atrazine                  | 16.957 | 200  | 458930   | 17.314 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.122 | 266  | 254722   | 15.340 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.551 | 178  | 2245961  | 16.658 | ng/ul  | 100      |
| 74) Anthracene                | 17.639 | 178  | 2263912  | 16.484 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.534 | 216  | 592081   | 15.831 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.034 | 250  | 555459   | 16.806 | ng/ul  | 99       |
| 77) Carbazole                 | 17.910 | 167  | 2120298  | 17.936 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.439 | 149  | 2602282  | 17.285 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.498 | 202  | 2584748  | 15.711 | ng/ul  | 98       |
| 82) Pyrene                    | 19.857 | 202  | 2717641  | 15.989 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.728 | 149  | 1103170  | 17.144 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.510 | 252  | 1040049  | 19.577 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.575 | 228  | 2685524  | 16.403 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.480 | 149  | 1692589  | 17.244 | ng/ul  | 99       |
| 87) Chrysene                  | 21.633 | 228  | 2455275  | 16.195 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.480 | 149  | 2831728  | 16.990 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.386 | 252  | 2633465  | 16.585 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.439 | 252  | 2473492  | 15.653 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.080 | 252  | 2298905  | 15.373 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.980 | 276  | 2738882  | 15.861 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.015 | 278  | 2295738  | 16.074 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.839 | 276  | 2103818  | 15.389 | ng/ul  | 99       |

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

