

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071723\  
 Data File : BP016271.D  
 Acq On : 18 Jul 2023 01:12  
 Operator : MA/JU  
 Sample : PB153940BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS940

Quant Time: Jul 18 04:14:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/18/2023  
 Supervised By :mohammad ahmed 07/18/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 206621   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.763 | 136  | 1009739  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.604 | 164  | 645540   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.369 | 188  | 1441349  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.463 | 240  | 1383916  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.963 | 264  | 1430038  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 31906    | 5.464  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 431849   | 29.655 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.134  | 99   | 630582   | 33.788 | ng/u1  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 397934   | 31.532 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.481  | 132  | 453352   | 33.650 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.687  | 113  | 487620   | 32.434 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 9.140  | 128  | 229663   | 32.968 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 262605   | 33.075 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.422 | 165  | 479351   | 34.865 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.940 | 131  | 605115   | 27.458 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 1446562  | 29.376 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.298 | 160  | 1668786  | 30.923 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.922 | 143  | 362830m  | 36.104 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.598 | 176  | 1247887  | 30.280 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 226922   | 27.272 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.475 | 188  | 1920926  | 30.468 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 2332984  | 32.488 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.786 | 264  | 2227581  | 32.437 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 66771    | 10.425 | ng/uL  | 98       |
| 5) Pyridine                   | 3.746  | 79   | 412203   | 27.635 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.110  | 77   | 293424   | 25.179 | ng/u1  | 94       |
| 8) Phenol                     | 7.163  | 94   | 615663   | 30.774 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 479419   | 29.466 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 454691   | 32.528 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.416  | 108  | 454261   | 30.168 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 754262m  | 28.565 | ng/u1  |          |
| 16) Acetophenone              | 8.799  | 105  | 747994   | 30.171 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.769  | 70   | 410316   | 30.871 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.757  | 108  | 508008   | 30.852 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.016  | 117  | 187219   | 29.379 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.181  | 77   | 610798   | 30.178 | ng/u1  | 99       |
| 23) Isophorone                | 9.704  | 82   | 1157536  | 28.852 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.899  | 139  | 265618   | 31.138 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.957  | 107  | 495868   | 26.433 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.181 | 93   | 702635   | 30.077 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 447701   | 31.668 | ng/u1  | 98       |
| 30) Naphthalene               | 10.816 | 128  | 1534948  | 28.967 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.969 | 127  | 511775   | 23.349 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.075 | 225  | 269408   | 28.058 | ng/u1  | 98       |
| 34) Caprolactam               | 11.787 | 113  | 154961m  | 30.278 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.104 | 107  | 537936   | 30.834 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.434 | 142  | 1025269  | 28.857 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.651 | 142  | 1031147  | 28.220 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.804 | 216  | 551444   | 29.993 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 111389   | 15.433 | ng/ul | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.063 | 196  | 350054   | 30.136 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.157 | 196  | 386969   | 31.335 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.434 | 154  | 1403262  | 29.800 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.487 | 162  | 1103748  | 29.834 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.728 | 65   | 379132   | 31.445 | ng/ul | 100      |
| 47) Dimethylphthalate         | 14.069 | 163  | 1404731  | 28.244 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.216 | 165  | 291752   | 31.116 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.328 | 152  | 1721934  | 27.781 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.569 | 138  | 284805   | 29.912 | ng/ul | 93       |
| 52) Acenaphthene              | 14.669 | 153  | 1213926  | 28.958 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.816 | 184  | 125347   | 19.100 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 231080m  | 30.215 | ng/ul |          |
| 56) Dibenzofuran              | 15.010 | 168  | 1679011  | 29.405 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.028 | 165  | 418868   | 30.283 | ng/ul | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232  | 313525   | 27.974 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.422 | 149  | 1446244  | 27.963 | ng/ul | 99       |
| 61) Fluorene                  | 15.657 | 166  | 1369286  | 28.706 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 664826   | 28.818 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.745 | 138  | 261312   | 29.883 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.792 | 198  | 212093   | 24.388 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.869 | 169  | 1159123  | 30.340 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.545 | 248  | 409101   | 29.866 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.669 | 284  | 479213   | 29.051 | ng/ul | 98       |
| 70) Atrazine                  | 16.834 | 200  | 192536   | 12.709 | ng/ul | 100      |
| 71) Pentachlorophenol         | 17.039 | 266  | 203282   | 24.575 | ng/ul | 99       |
| 72) Phenanthrene              | 17.410 | 178  | 2195389  | 29.233 | ng/ul | 99       |
| 74) Anthracene                | 17.510 | 178  | 2193611  | 29.068 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.404 | 216  | 560774   | 29.636 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.928 | 250  | 1280909  | 71.716 | ng/ul | 99       |
| 77) Carbazole                 | 17.798 | 167  | 2036593  | 29.600 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.304 | 149  | 2520169  | 29.240 | ng/ul | 100      |
| 80) Fluoranthene              | 19.380 | 202  | 2647489  | 31.528 | ng/ul | 99       |
| 82) Pyrene                    | 19.739 | 202  | 2804582  | 31.282 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 1234422  | 31.925 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.380 | 252  | 876249   | 27.099 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.445 | 228  | 2700784  | 29.969 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 1800781  | 31.176 | ng/ul | 100      |
| 87) Chrysene                  | 21.504 | 228  | 2649834  | 29.025 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.269 | 149  | 3158778  | 35.264 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.186 | 252  | 2652605  | 32.473 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.239 | 252  | 2646963  | 31.842 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.845 | 252  | 2282015  | 28.201 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.580 | 276  | 2629443  | 26.241 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.580 | 278  | 2162317  | 26.456 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.409 | 276  | 2070821  | 25.891 | ng/ul | 98       |

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

